
IP Wireless / Wired Camera

IP Camera User Manual

(For Windows OS)



Content

1	Product Overview	4
1.1	PRODUCT PACKAGE.....	4
1.2	Product Characteristics	4
2	Device appearance and interface installation	5
2.1	DEVICE APPEARANCE	5
2.2	INTERFACE INSTALLATION	6
3	Device installation.....	6
3.1	HARDWARE INSTALLATION	7
3.2	SOFTWARE INSTALLATION	10
4	Visit IP CAMERA IN LAN	11
4.1	CONNECTION WAYS IN LAN	11
4.2	SEARCH AND SET DEVICE IP ADDRESS.....	11
4.3	LOGIN IP CAMERA	14
4.4	IP CAMERA OPERATION.....	17
5	Visit IP CAMERA IN INTERNET	20
5.1	CONNECTION WAY IN INTERNET	20
5.2	RELATE AND SETTING AND VISIT IP CAMERA	20
6	The device like Mobile phone , PAD Etc. visit IP CAMERA	24
6.1	INPUT IP ADDRESS IN THE BROWSER TO VISIT	24
6.2	INSTALL CLIENT-SIDE SOFTWARE TO ACCESS IPCAMERA	28
7	Other setting.....	33
7.1	NETWORK SETTING	33
7.1.1	Basic network setting.....	33
7.1.2	WIFI Setting.....	33
7.1.3	Adhoc P to P wireless connection setting	35
7.2	MULTI-DEVICE SETTING	38
7.3	MSN SETTING	39
7.4	DDNS SETTING.....	41
7.4.1	Factory DDNS	42
7.4.2	The third part DDNS	42
7.5	E-MAIL AND FTP SERVICE	43
7.6	MOTION DETECTION.....	47
7.7	TIME OF DEVICE AND PTZ SETTING	51

7.8	UPGRADE DEVICE FIRMWARE	51
7.9	BACKUP AND RESTORE SETTING	51
8	APPENDIX.....	52
8.1	REGISTER AND APPLY FOR DDNS SERVICE	52
8.2	SOME SPECIAL APPLICATION FOR IPCAMERA	57
8.2.1	Open IP Camera through flow-media player	57
8.3	FREQUENTLY ASKED QUESTIONS.....	60
8.3.1	I have forgotten the user and / or password	60
8.3.2	IP Address configuration.....	60
8.3.3	Network configuration.....	60
8.3.4	No pictures show.....	61
8.3.5	Network bandwidth problems.....	61
8.3.6	Why pop-up the prompt "Fail to connect the device"?	61
8.3.7	IP camera has connected with internet, why it can't visit through IP camera	62
8.4	THE SOLUTION FOR OPERATION COMMON PROBLEMS	62
8.5	THE DEFAULT PARAMETERS	63
8.6	TECHNICAL PARAMETERS	64

1 Products overview

IP Camera is a IP integrated camera solution. For the user based on the local network (LAN) and wide area network (WAN) remote video surveillance products provides a clear, high integration, low cost solution. Integrated network and web service function, the shooting of the video can be transmitted through the network to any place, you simply through web browser can readily access live video. It can be applied in large stores, schools, factories, families and a series of places. Easy to install, easy to operate.

1.1 Product package list

Reminder: a complete set of network monitoring equipment comprises the following parts, this product has good with the following parts.



Remark: if you choose Wifi function device, The package should be contained Wi-Fi Antenna



Before you install the IP camera, please check the whether it contains all of the accessories. If it lacks of something, please contact with agents

1.2 Product Features

- Powerful high-speed video protocol processor
- High-sensitivity 1/5" CMOS sensor
- It uses MJPEG Compression and has VGA/QVGA/QQVGA video definition for us to choose. And it support for adjusting video parameter and adapt users many kinds of browser demand.
- Inner microphone can achieve audio collection and two ways audio function ;
- IR night vision to support long distance night vision scope and achieve monitor for the whole days;
- Embedded WEB SERVER to support multi-page browser to viewing
- Multi-level users management and passwords definition
- Support wifi network (Wi-Fi/802.11/b/g), Inner Wifi module can flexibly create wi-fi monitoring environment.;
- Support motion detection which can achieve spot all-round monitoring. It can e-mail,FTP and send alarm message though alarm server etc. so achieve many kinds of alarm function. ;
- Pan/Tilt Pan 270°、Tilt 120° It is tiny and convenient installation which is suitable for all kinds of places;
- Support UPNP. It can support to achieve auto port map in the router ;
- Support mobile phone viewing ;
- Support remote upgrade ;
- Factory set every device unique device serial number, unique factory DDNS, and burn it to d evice and when it connect with public internet, then it can visit though DDNS.
- Factory can provide free client software and multi-pictures , long time recording and video playback Etc.

2 Device appearance and interface

2.1 Device appearance

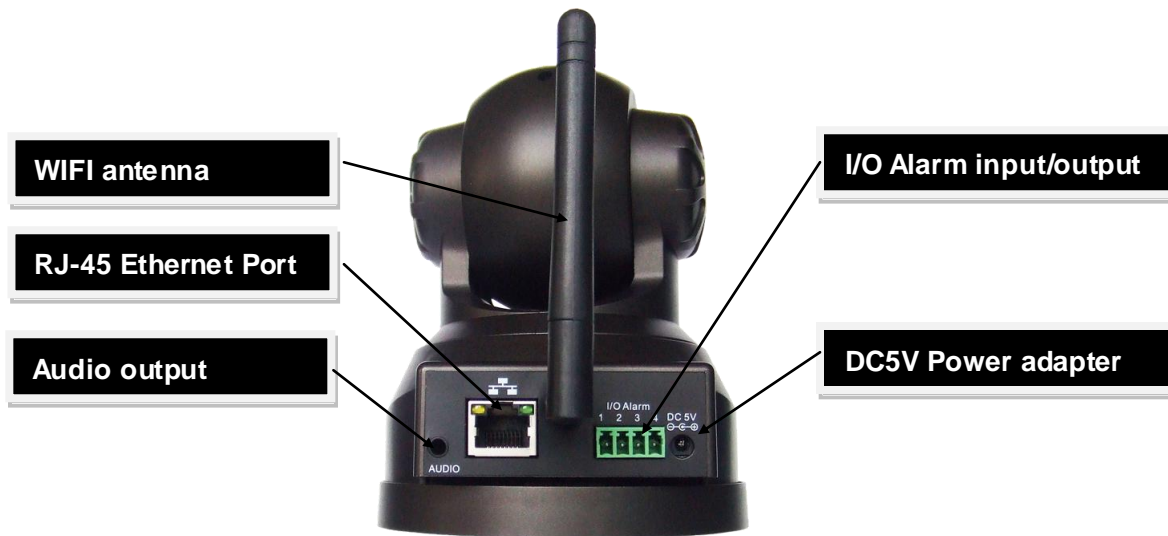


Picture 1 Device appearance

1. **Sensitive Hole:** According to outside of light decide whether open infrared LED
2. **Infrared LED**
3. **Lens :**CMOS Sensor . You can turn around the lens manually to adjust the focus range
4. **Build-in Microphone**

Warning: please don't forcibly manual translation/lifting cameras, because it is likely that damaged internal component!:

2.2 Device interface



Picture 2 Device interface

LAN : RJ-45/10-100 Base T

DC5V : 5V/2A Power supply

I/O PINS: 1)Output(GND) 2)Output (+5V) 3)Alarm input 4)Input (GND) (you can see 3.5.6

For more information)



Picture 3 Reset Button

RESET BUTTON: Press and hold down the RESET BUTTON for 5 seconds. Release the power button and IP camera will be reset back to the factory default parameter

3 Device installation

System configuration requirements: (Example for view four IP Camera)

CPU: 2.06GHZ or above **Memory**: 512M or above

Network Card: 10M or above **Display Card**: Microsoft DirectX 9 Pictur device or above memory

Recommendable Operating System: Windows XP. Vista. Windows 7、 Windows 8

Support web browser: IE, Firefox, Safari, Chrome etc .



3.1 Install hardware

You should install your IP Camera's hardware according to the following step in order to make sure the IP camera can work properly. Especially, pay attention to IP camera's installation environment.

1) IPCAM. Plug DC adapter with IP camera

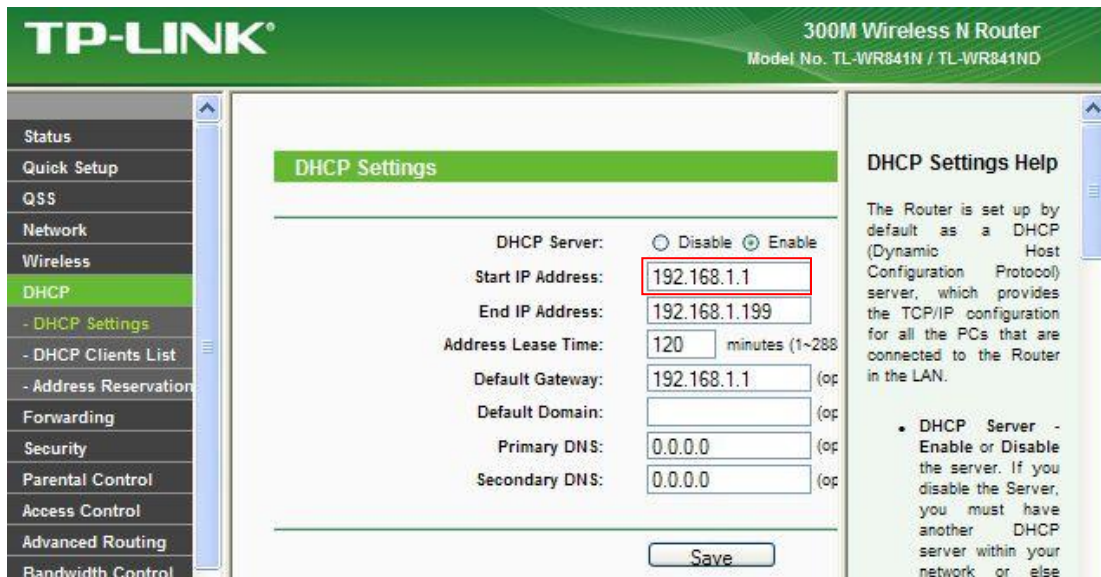
I.Note: Please use Dc adapter which is the standard configuration of IP camera. Using DC adapter without any certificate, may destroy IP camera.

2) Plug cable with IP camera, and another side of cable should connect with DSL or router. In additional, make sure power of IP camera work properly and IP camera and PC are in the same Subnet(it can be LAN, and it also can use cable to connect PC and IP camera)



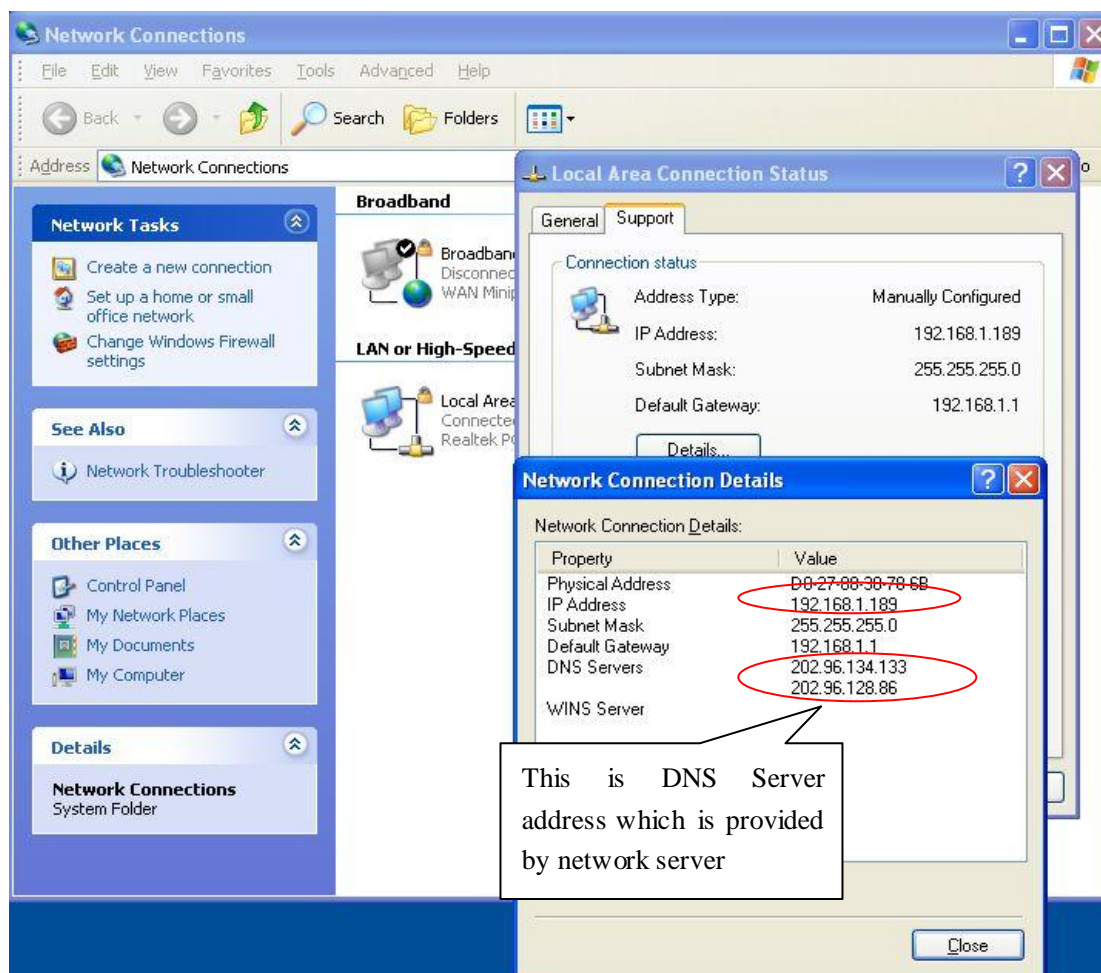
Picture 4 Network connection sketch map

3) When you use IP camera for the first time, IP Address of IP camera obtain automatically. (Before using, please make sure "DHCP" Server function in LAN's router has been opened, or Server system open "DHCP" Server function) It is very convenient for users to use because It is suitable for different LAN NETWORK environment.



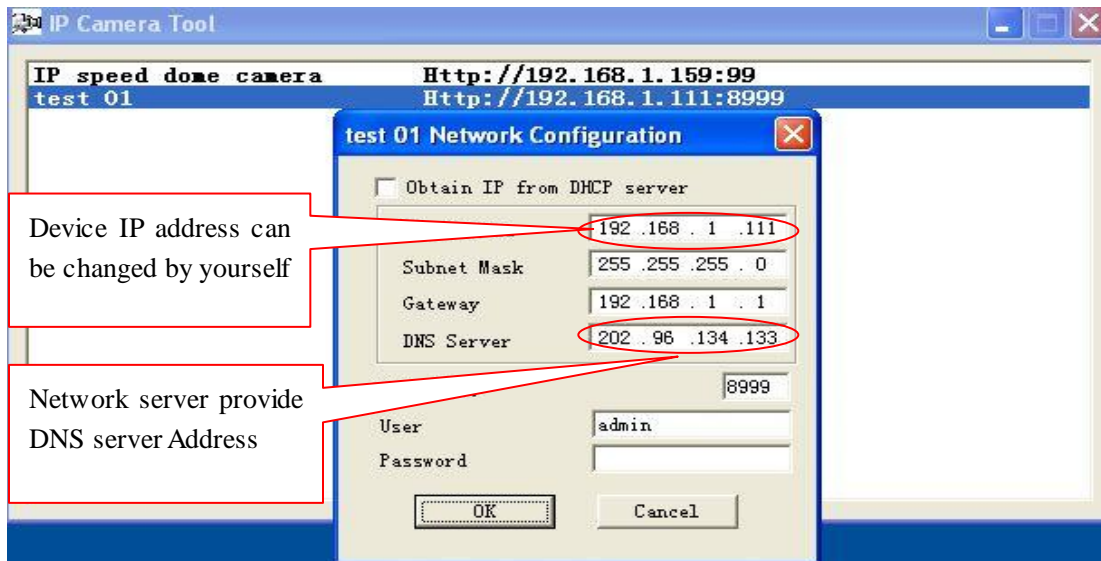
Picture 5

4) You can search PC IP and DNS Server as belows:



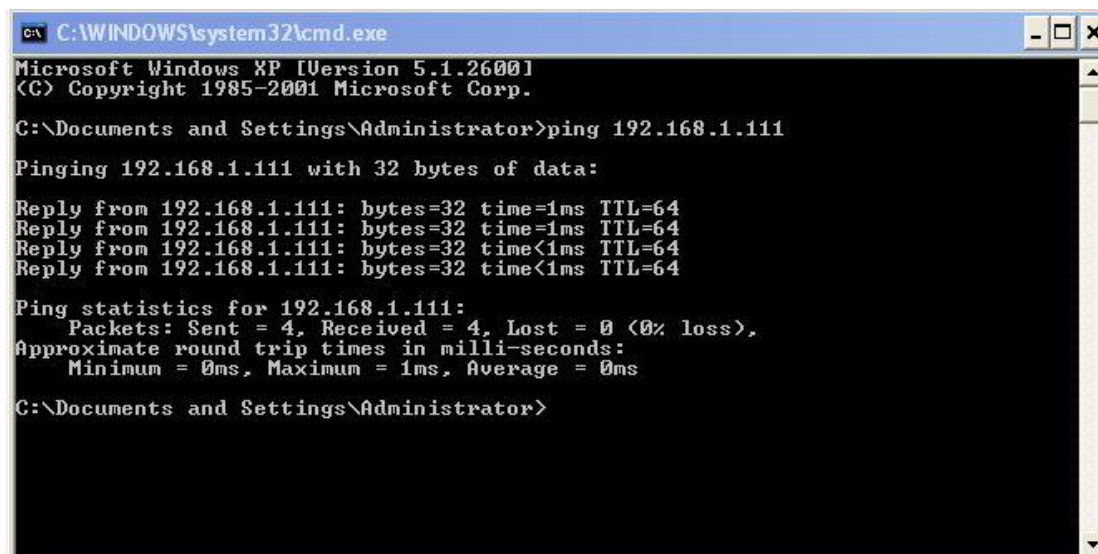
Picture 6

- 5) The device IP Address can be changed, but Its IP address should be at the same with PC's subnet.



Picture 7

When we test IP camera and check whether it starts smoothly or it connects properly, we can operate in the Windows (START- RUN-CMD), and then input : **ping 192.168.1.111** in the order windows.



Picture 8 ping IP Camera

Check whether it can "Ping" IP camera, If yes, then it means IP Camera has been worked properly and connected correctly.

3.2 Software installation

Software installation

● It is very easy to install software. You just need to run installation programme then it can work properly. .


Please put CD in the PC driver and the CD will automatically run to the software installation interface:



Picture9 Software installation interface



If no such an interface, please click “autorun.exe” in the CD

● And then find “search.exe” . Click and install LAN Tool to PC system, then you can view “IP Camera Tool” in Computer desktop for LAN Search tool. “IP Camera Tool”



4 Visit IP camera in LAN

4.1 Connection ways in LAN



Picture 10 Connection between Several IP camera and router

4.2 Search and set device IP address

Please note before searching IP camera:

- 1: Make sure IP camera has a good connection with power and network.
- 2: The router should be opened DHCP (Dynamic host configuration protocol) because the factory setting status of IP camera is to obtain automatically IP camera.
- 3: When we power IP camera, we should wait 20 second then it can work.

● Search IP camera

When we run Search tool "IP camera Tool", we can find the IP camera showing IP address, Port, Name. If we use Wi-fi connection, we will find Wi-fi IP address. For the details, we can view the following picture.



Picture 11

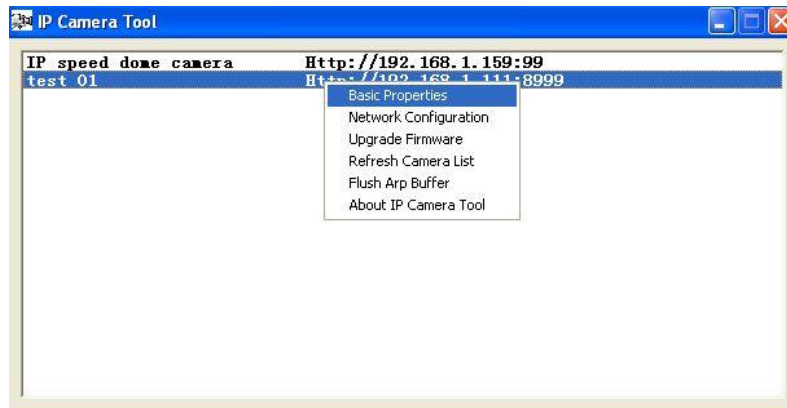
Note: "IP Camera Tool.exe" Programme only use to search IP camera address and port in the LAN. The tool can't search IP camera IP address and port in the WAN.

There are 3 cases:

- 1 No IP Camera found within LAN. After about 1 minute search, the Result Field will show "not found IP Server";
- 2 IP Cameras having been installed within LAN. All the IP Cameras will be listed and the total number is displayed in the result field as shown in Picture 2.0.
- 3 The IP Cameras installed within LAN do not share the same subnet with the monitoring PC. A prompt as shown in result field (prompt: Subnet doesn't match, click to change!). Click the left mouse button to choose the prompt and click the right mouse, choose Network Configuration to set the IP address of the Camera to the same subnet as LAN.

● SIX Options

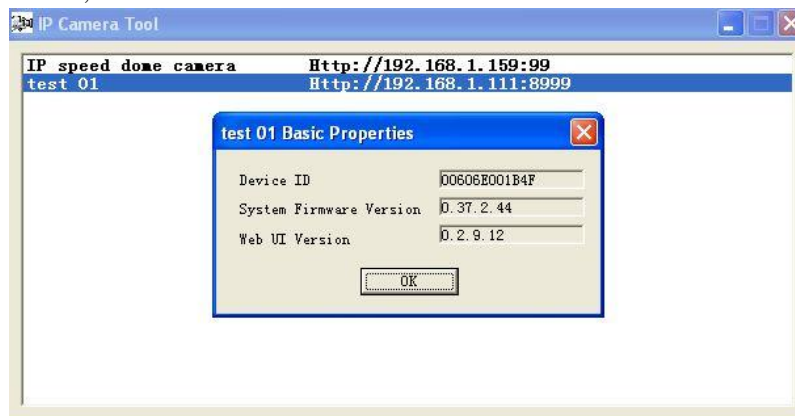
Choose the IP Camera list and Click right mouse button, there are six options, Basic Properties, Network Configuration, Upgrade Firmware, Refresh Camera List, Flush Arp, About IP camera tool as shown Picture 12.



Picture 12

Basic Properties

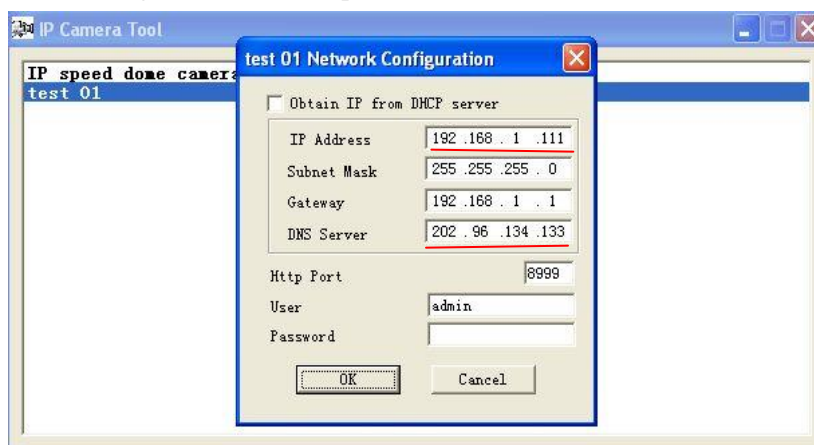
There is some device information in the Basic Properties, such as Device ID, System Firmware Version, Web UI Version



Picture 13

Network Configuration

In this page, you can configure the Network parameter.



Picture 14

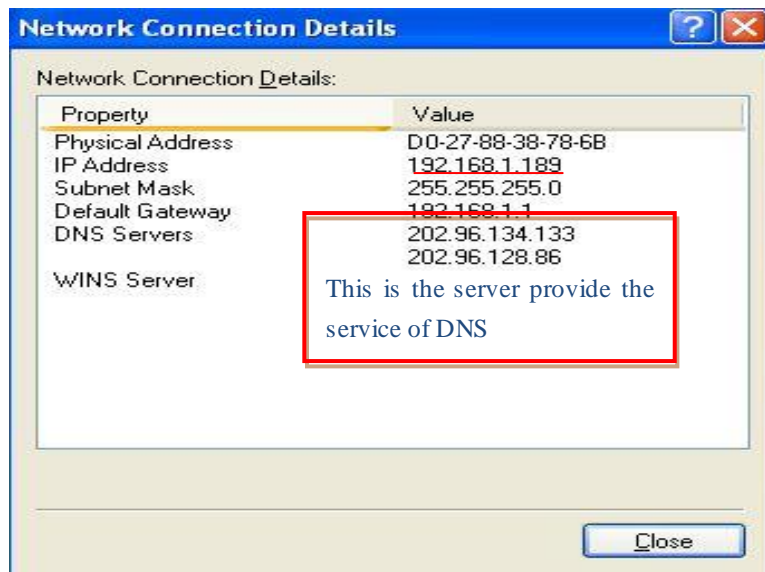
IP address: Fill in the IP address assigned and make sure it is in the same subnet as the

Subnet Mask: The default subnet mask of the equipment is: 255.255.255.0

Gateway: Make sure it is in the same subnet with PC IP address. Default Gateway

address is 192.168.1.1

DNS:Server: IP address of IPS network provider. (It also can view from network card local area connection status). As blows picture.



Picture 15

Http Port: LAN port assigned for the equipment, usually 80

User & Password : Default administrator username/password: admin/No password

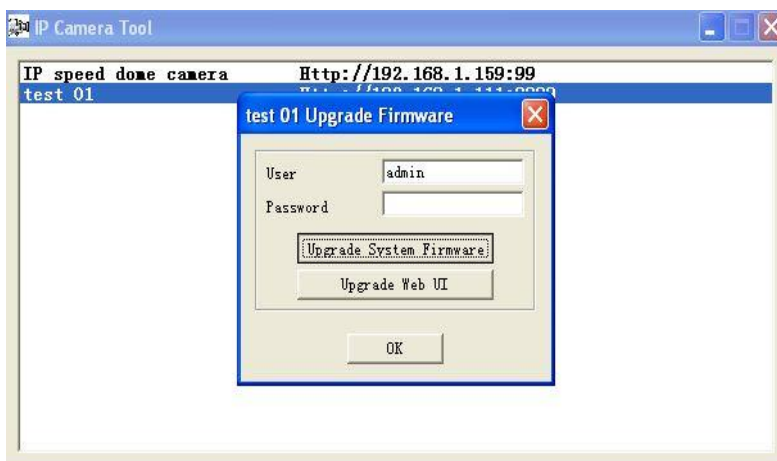
Enable Using DHCP: the system will assign a reasonable IP address for your equipment only if your gateway supports DHCP (It is the case with most gateways).

DHCP checkbox: if checked, the device will obtain IP from DHCP server (To be make sure the Router which the device connect with has DHCP function).

NOTE: when the prompt "subnet doesn" t match, double click to change!", please set the IP Camera IP address once again.

● Upgrade Firmware

Enter the correct User and Password to upgrade system Firmware and Web UI. (User should have administering authority.



Picture 16

- **Refresh Camera List**

Refresh camera list manually.

- **Flush Arp Buffer**

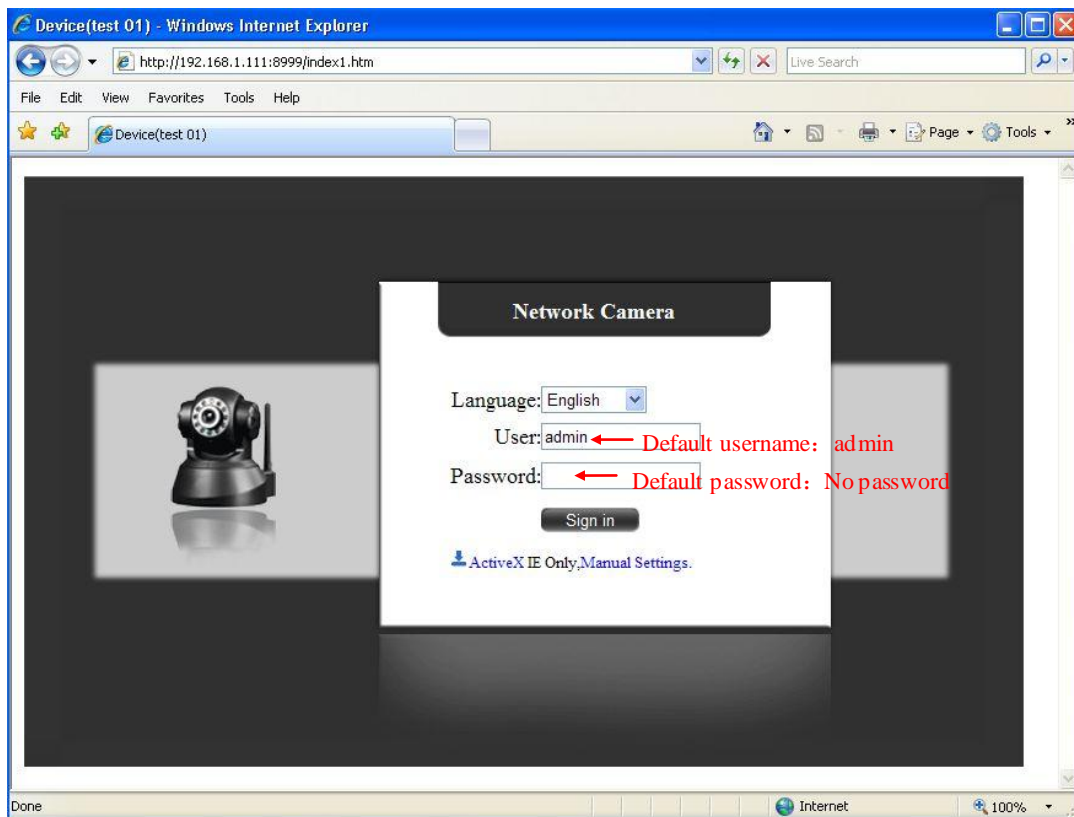
When cable network and wireless network of the device both are fixed IP address. There is a problem you may encounter is can search the camera IP but cannot open the camera web page. you may try to use flush arp buffer.

- **About IP Camera tool**

You can view IP camera tool version and ActiveX version..

4.3 Login IP camera

● Double click the IP address of the IP Camera listed IE will be opened automatically and display the camera login page. Or Access the camera by IE browser directly, type in the camera's IP address. For example :<http://192.168.1.111:8999>. (We suggest you use IE browser for it has more function.

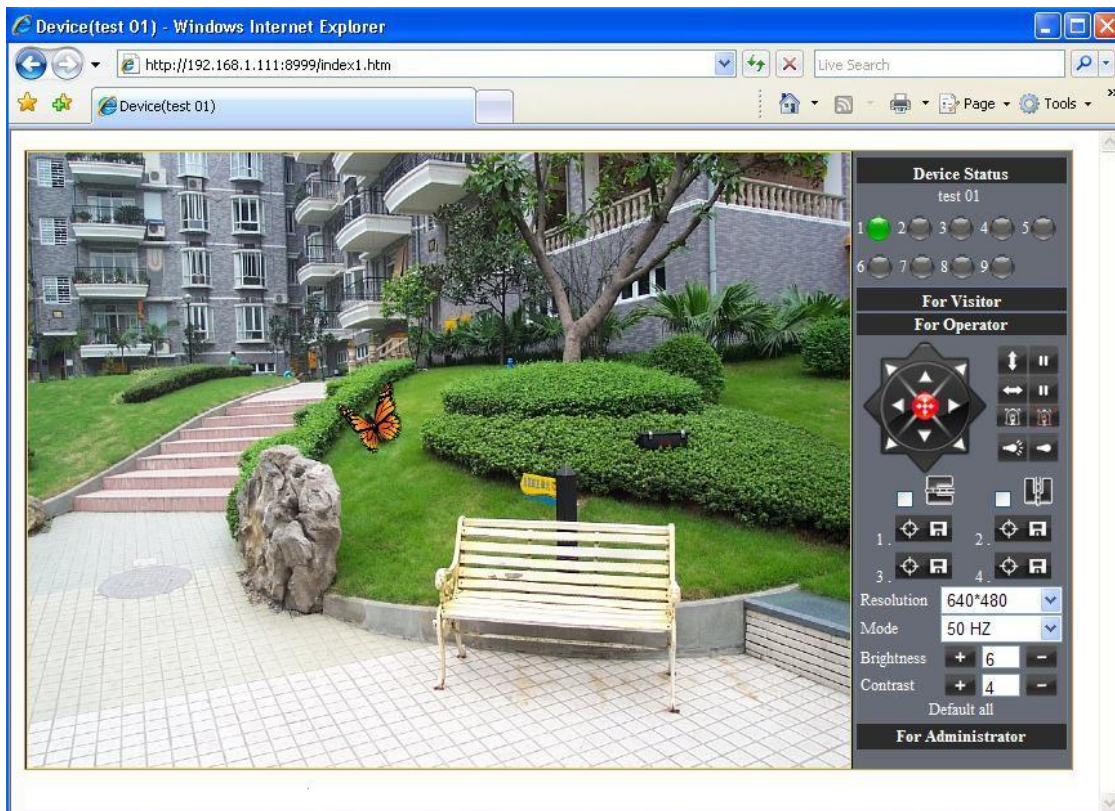


Picture 17

● IP camera Default username is admin, no password. And Click "Sign in" to enter the monitoring page

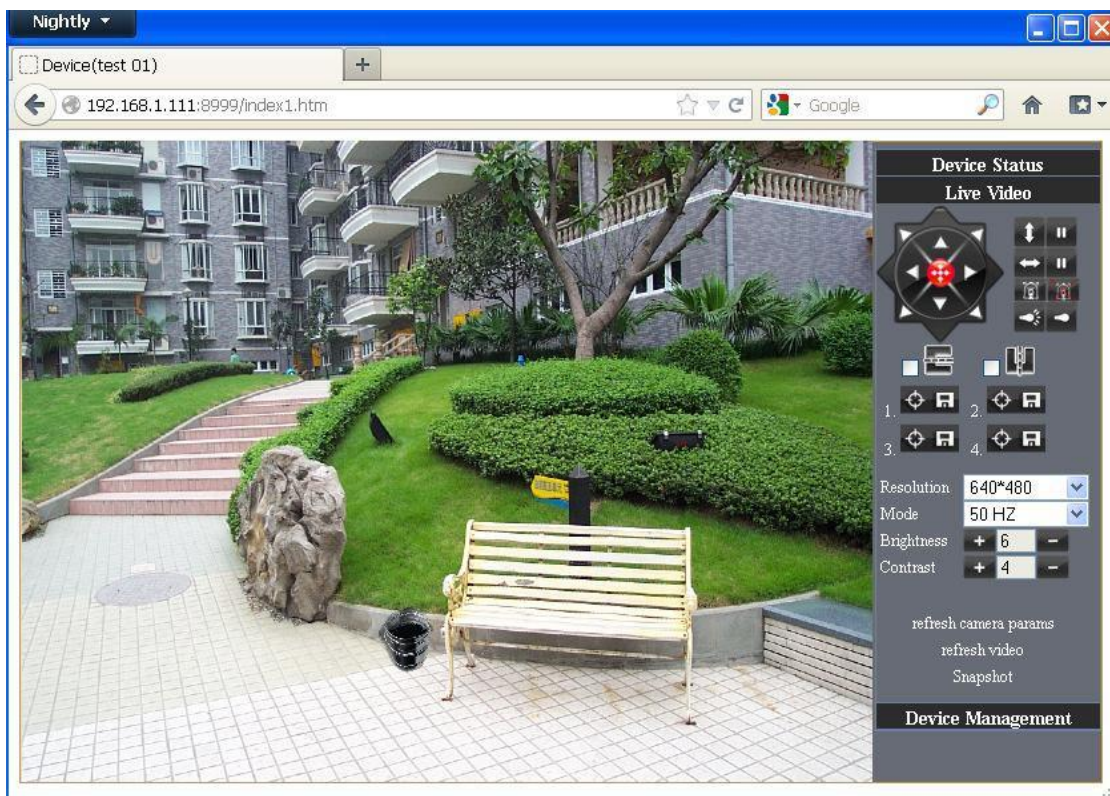


Picture 18

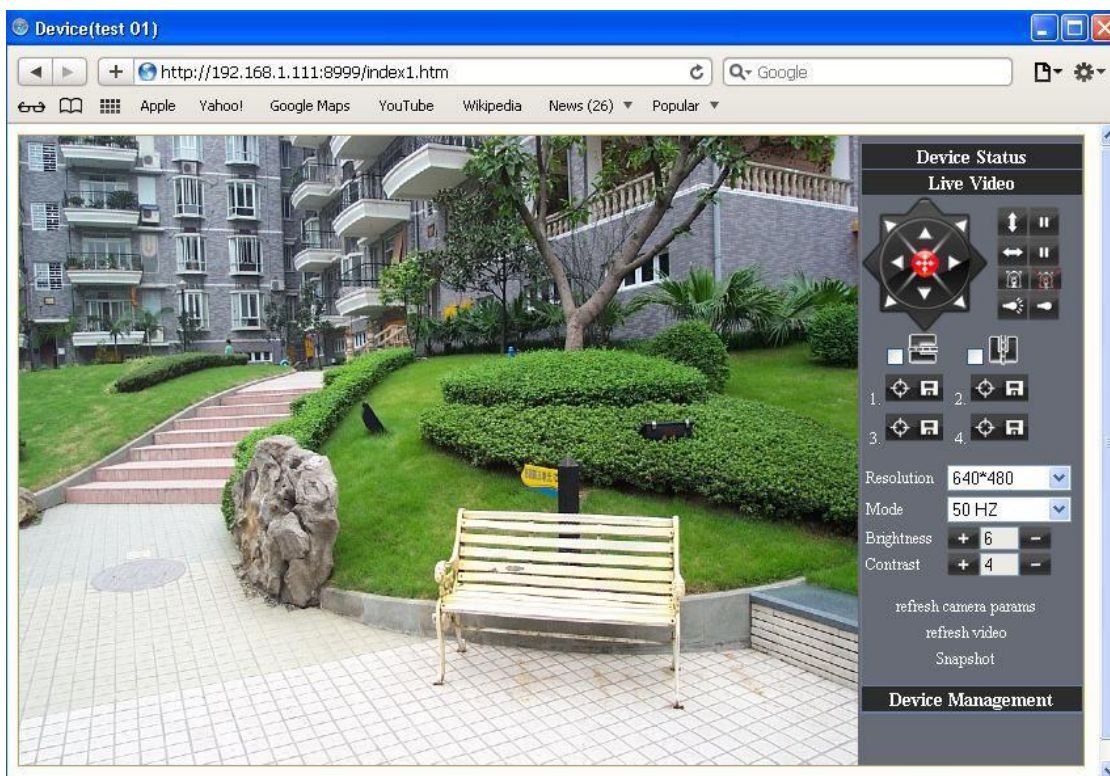


Picture 19

- When Users login in, they can view images. At the same time, users (Administrator, Operator or Visitor) can operate according to their permissions
- By Firefox and Safari browser as below:




Picture 20

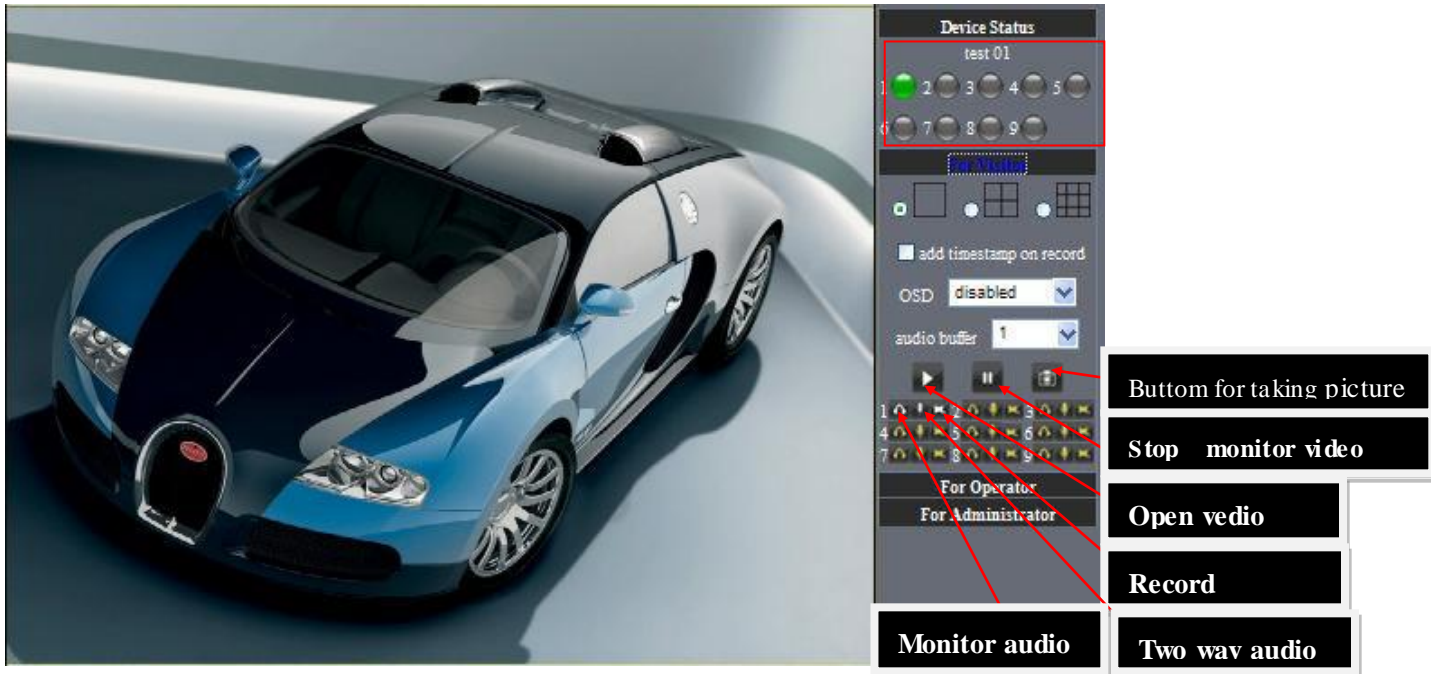


Picture21

4.4 IP camera operation

4.41 For Visitor


For example: if  is bright ,the first route is at status of Detection(Only IE Broswer can view it)



Picture 22



The right upper is status's indicator area which can show 9 IP camera status.

- When the button is gray, it means IP camera didn't connect.
- Green means IP camera has connected.
- Yellow means there is something wrong with connection.
- Red means it is the status of alarm.



If you want to detect 4 views , need to click this icon  .

OSD: Display date and time on the video. You can disable the OSD function or choice other color.
(OSD:on-screen display)

Snapshot: Click icon  to snap the picture.

REC: Click icon  into REC mode,  is stop.

Audio: Click icon  into Audio mode,  can listen the voice in monitoring range..

Talk: Click icon  into Talk mode, and the icon will become , Visitor can talk with whom is in the monitoring range.

Note: the record file name is: device Alias_ Current time.Avi

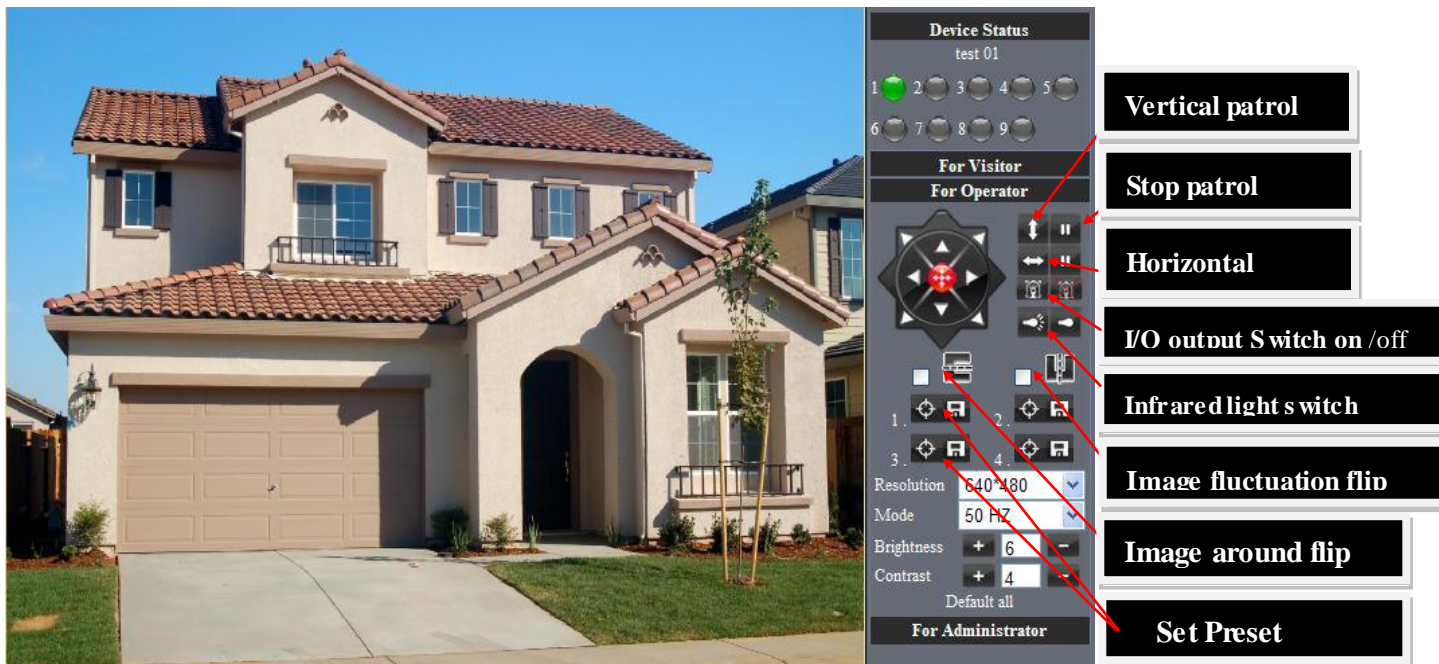
For example: *IPCAM_20101011134442.Avi*

It means the device alias is IPCAM and its record's end time is : At 13:44:42 on October 11, 2010.When use motion detection and checked Send Mail on Alarm.

The name of the picture received in mailbox is like this: device id(Alias)_ Current time.jpg

4.42 For operator

When login as operator, you can operate Pan/Tilt and adjust video parameter.



Picture 23

Direction control: click the different arrow will get different direction view



Vertical patrol



Horizontal patrol



Stop patrol



I/O output Switch on/off.



Infrared light software control switch



Image fluctuation flip(up and down)



Image around flip (right and left)



Set Preset : (can set 4 preset)

Resolution::VGA (640 X 480) / QVGA(320 X 240)

Work Mode :50Hz/60Hz/Outdoor

color parameter: Click or can adjust brightness and contrast .

4.43 For Administrator

When you login as administrator, you can set all parameters. Please click “For Administrator” and enter into setting interface .

Device Status	
Device ID	00606E001B4F
WiFi MAC ID	7CDD90155F2E
Device Firmware Version	0.37.2.47
Device Embedded Web UI Version	2.2.10.12
Alias	test 01
Alarm Status	None
DDNS Status	ihome365 Succeed http://icam0001.ihome365.org:8999
UPnP Status	UPnP Succeed
MSN Status	Succeed

View Device ID、Device Firmware Version and Device Embedded Web UI Version

Refresh

Check Device all kinds of status

Carry on Settings and operation function

- Device Info
- Alias Settings
- Date&Time Settings
- Users Settings
- Multi-Device Settings
- Basic Network Settings
- Wireless Lan Settings
- MSN Settings
- DDNS Service Settings
- Mail Service Settings
- Ftp Service Settings
- Alarm Service Settings
- PTZ Settings
- Upgrade Device Firmware
- Backup & Restore Settings
- Restore Factory Settings
- Reboot Device
- Log
- Back

Picture 24

Alias Settings: You can Input the new name as you like.

Data &Time Settings: Data &Time Settings page.

Users Settings: Eight accounts are acceptable for this system. Here the eight users can configure their user names and password as Administrator, Operator or Visitor.

- **Visitor:** In this mode, you can only view.
- **Operator:** You can control the direction of IP Camera and set some parameter.
- **Administrator:** You can setup the advanced configurations of the IP Camera.

UpnP Settings: If you access IP Camera, to be make sure **UpnP Status** is Succeed.

Upgrade Device Firmware: Upgrade Device Firmware and device embeded web UI software in this page.

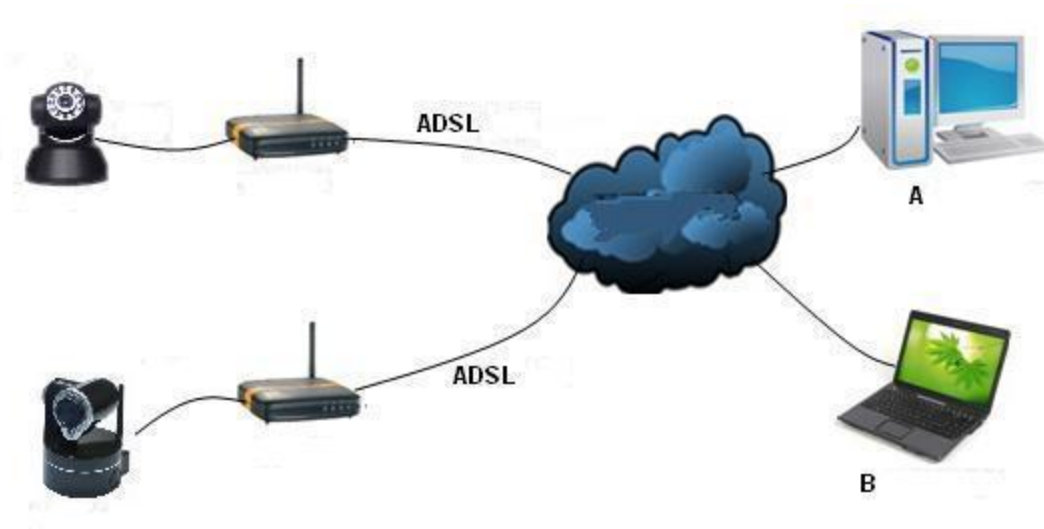
Restore Factory Settings: Restore factory settings of the device.

Reboot Device: Reboot the device.

Back: Back to Monitoring Mode.

5 Visit IP Camera in internet

5.1 Connection way in Internet



Picture 25

5.2 Related setting and login IP camera

1. If the network your IP camera using is using static IP, you just need to input this IP address and IP camera's port in the browser, then it can visit IP camera.
2. If you are using ADSL to dial-up and surf on line, you should obtain IP Camera Current WAN IP Address or configured DDNS.

1) There are four ways for you to obtain WAN IP Address:

① Using mail to send internet IP function

After setting mail successfully, IP will send mail to your receiver e-mail box when Internet IP or port has changed. If it is dynamical IP, users need to input this IP address to visit this IP camera.

② Obtain from some website

It is very easy for you to obtain WAN'S IP address. You can open browser on the computer on the condition that IP camera and PC are the same subnet. For example:: <http://www.whatismyip.com/> or <http://www.myip.cn> etc., It will tell you WAN'S IP address as shows below.



Picture 26

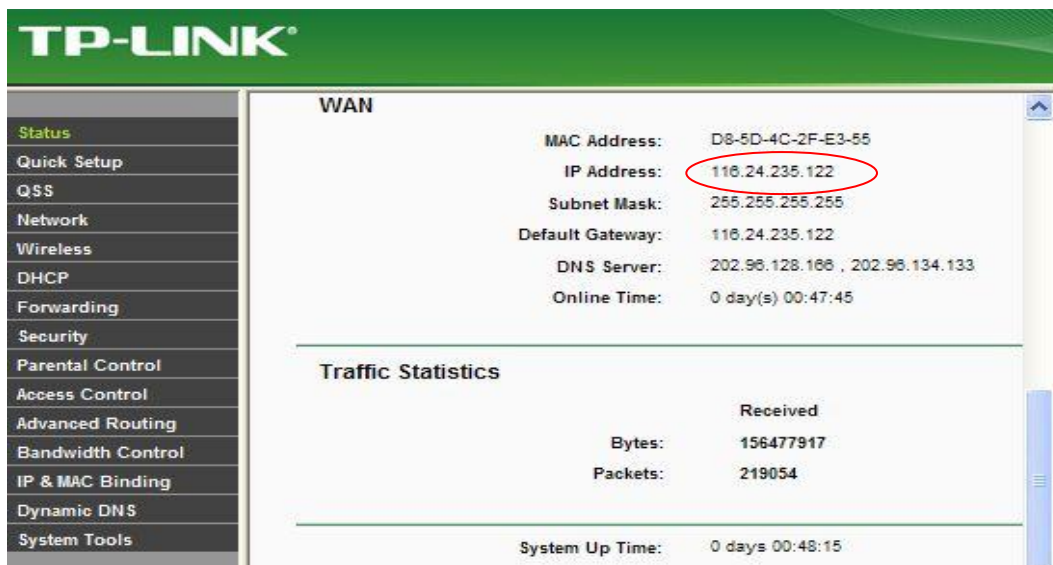
③ Obtain from MSN and IP camera's MSN ACCOUNT(Details 7.3)

④ Obtain from router

We take "Nur8555M" from "Xinxiang" 's router as example

A. According to router's manual, we get Router's IP is [192.168.1.1](#),

B. Login in router,; Input [192.168.1.1](#) in the browser. Find the status of Router and find Router's WAN(In this example, WAN'S IP is [116.24.235.122](#); As shows Picture 27.

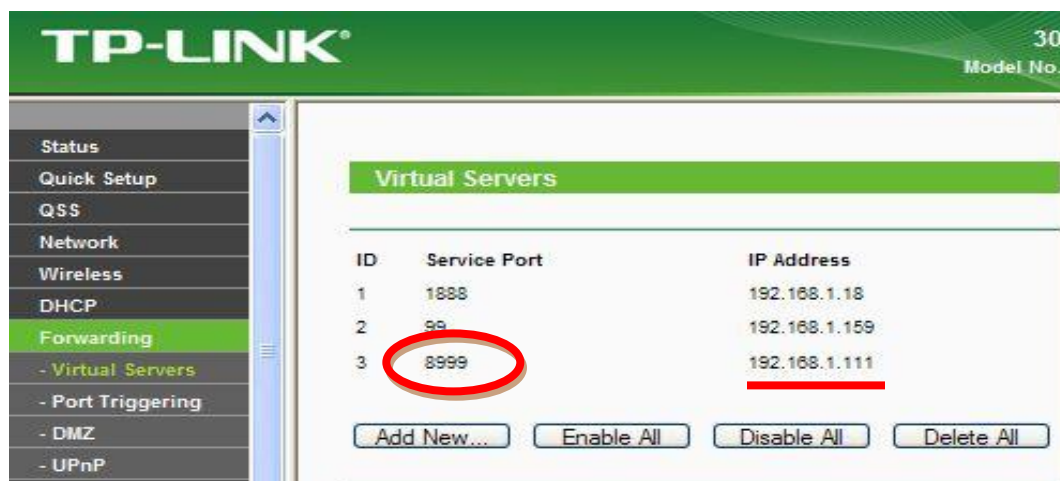


Picture 27

Now you can visit IP Cam from Internet. What you should do is to Input correct IP address . For example: [Http:// 116.24.235.122:8999](http://116.24.235.122:8999).

Note: Make sure the Port's UPNS is available. You can open UPNP via the following ways.

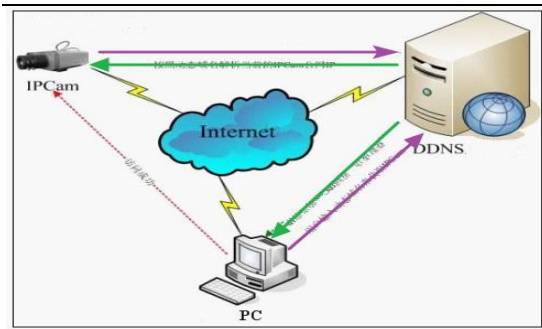
- Enter into Routers' setting page(Details : Router's user manual) to make UPNP available. Or enable virtual mapping function. Add equipment IP address and port to the virtual mapping list,



Picture 28

Users can access the Internet from IPCAM device. Input address .For example, [Http:// 116.24.235.122:8999](http://116.24.235.122:8999)

2) DDNS (dynamic DNS) service is the Internet domain name can be fixed and dynamic IP address real-time corresponding (analysis) service. Simply said, whenever user surf on internet or what kind of way you are using the Internet, get a what kind of IP address, IP address whether it will change, DDMS can ensure that a fixed domain name can access to a user's device.

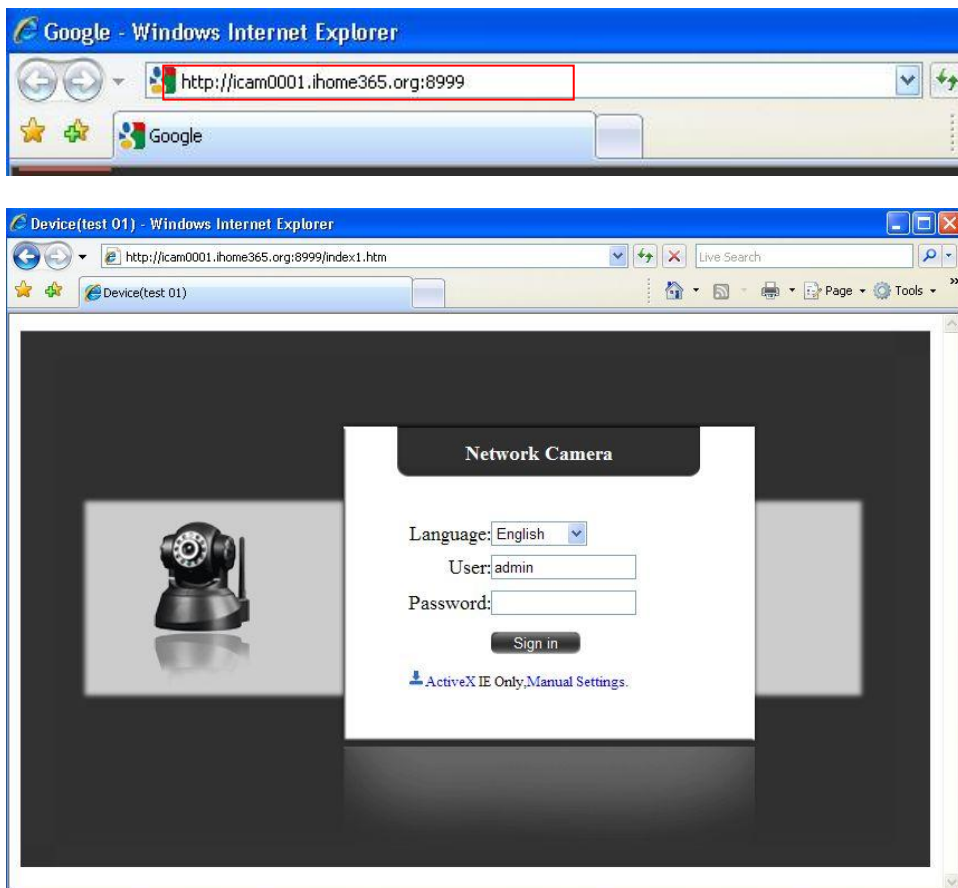


Our products have been configured the DDNS services, of course, you can also apply for the domain name in registration website for one of your own domain name to configuration. For example: www.dyndns.org



Picture 30

You need fill in DDNS and port. for example: (<http://icam0001.ihome365.org:8999/>). The browser will jump to IP camera's login page. .



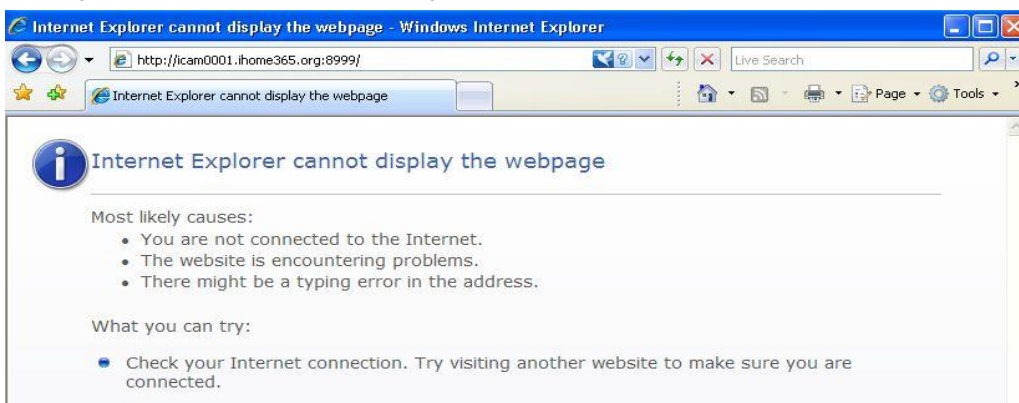
Picture 31

The input device user name and password to login to equipment



Picture 32

- If input domain name, but can't open IP camera in the browser, such as the situation is as blows



- Please open the device and check status of IP camera in the local area network, confirm whether UPNP function and DDNS is successful or not.

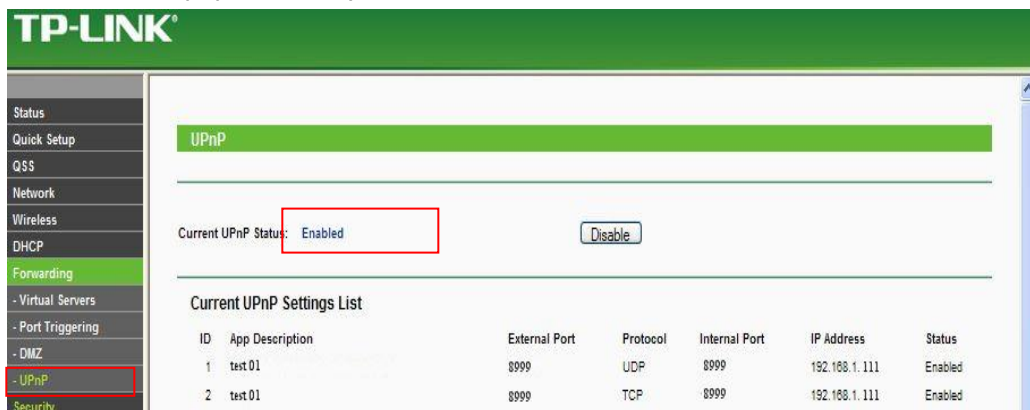
Device Status		Device Info	
Device ID	00606E001B4F	Alias Settings	
WiFi MAC ID	7CDD90155F2E	Date&Time Settings	
Device Firmware Version	0.37.2.47	Users Settings	
Device Embedded Web UI Version	2.2.10.12	Multi-Device Settings	
Alias	test 01	Basic Network Settings	
Alarm Status	None	Wireless Lan Settings	
DDNS Status	ihome365 Succeed http://icam0001.ihome365.org:8999	MSN Settings	
UPnP Status	UPnP Succeed	DDNS Service Settings	
MSN Status	Succeed	Mail Service Settings	
		Ftp Service Settings	
		Alarm Service Settings	
		PTZ Settings	
		Upgrade Device Firmware	
		Backup & Restore Settings	
		Restore Factory Settings	
		Reboot Device	
		Log	
		Back	

Picture 34

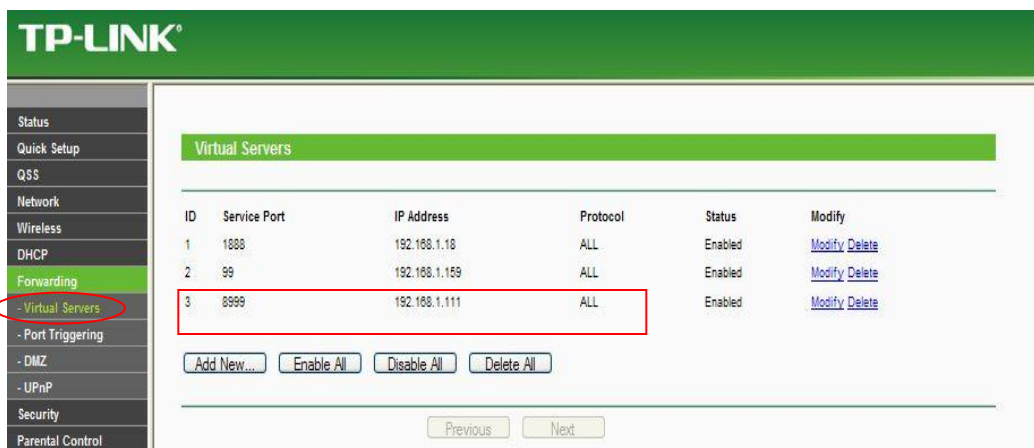
- **You need to set port mapping function successfully**, to check whether the router UPNP function is available, if It was unavailable, please make it available refer to the routers user manual!

If you use TPLINK router, please refer to these instructions

- Through the upnp automatic mapping port to the network: input router IP address in the browser (such as "http://192.168.1.1/ >, the router IP addresses are written on paper label on the router house---- please set according to your own IP address), open the routers page" forward rules "> >" upnp set ", to ensure that the current state of upnp is "already available," as below:



Note: some of the router interface without "UPNP Settings" option, then need to open the virtual server IP cameras in the local area network of mapping the connection IP address and port number



Picture 36

6 Access IP camera via mobile equipment such as mobile phone, Ipad Etc.

There are two kinds of ways to access IP camera: One is to input IP address in browser directly, It can be IP address and also can be DDNS. Another is to use clients to visit. !

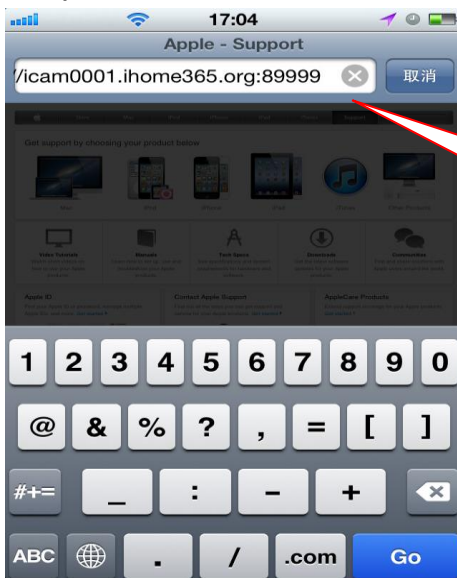
6.1 Input IP address in browser

1. We take IPAD as example as follows:

- Open browser "Safari"



- Input IP camera's IP address, for example: (<http://icam0001.ihome365.org:8999>)



- Choose language according to your demand and choose login mode according to your browser

language:

User:

password:

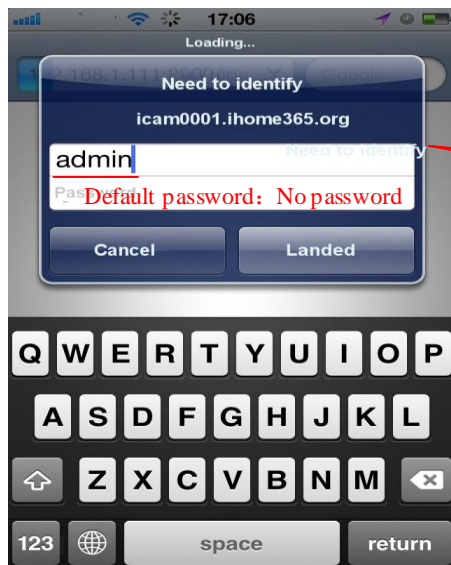
ActiveX IE Only. [Manual Settings.](#)

Choose manual settings

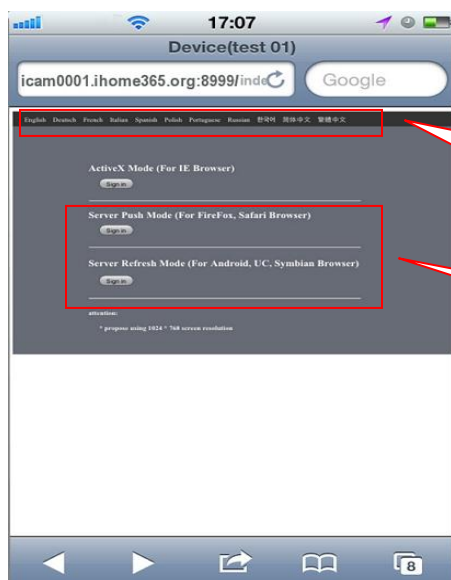


Picture39

- enter your account and password on the login page as shown By default, administrator's username is: admin and no password.



Input the username and password of the network camera



Here to select the operating language

Here you can choose between two modes landing

- Select Server Refresh mode landing



Picture42

●Select Server Push mode landing



Picture 43

2● Now we take Android system device as example:

Open menu and firstly open the browser, and input IP camera 's IP address in the browser ,for example.: <http://icam0001.ihome365.org:8999>



Picture 44

- Input IP camera's username and password and click " sign in", and then enter into browser model to choose login-in interface.



Picture 45

6.2 Install client-side software to access IPCamera

There are many client software support IP camera, several third-party software support our IP cameras too. The following are our manufacture software setup process.(the Android version),



1. Pls get the install applications in the CD or you can download from the website:
<https://play.google.com/store/search?q=reecam&c=apps>, Choose the right

① installation file-ipcamera.apk.

running environment: Android version 1.6 or above

Note: Please ensure that mobile phones can connect to the Internet before install.

②. Install method:

2.1 Insert SD card into Android mobile phone.

2.2 Connect the cellphone to computer via USB data cable

2.3 Choose the USB connection model on your cellphone; you can see the SD driver in “my computer”

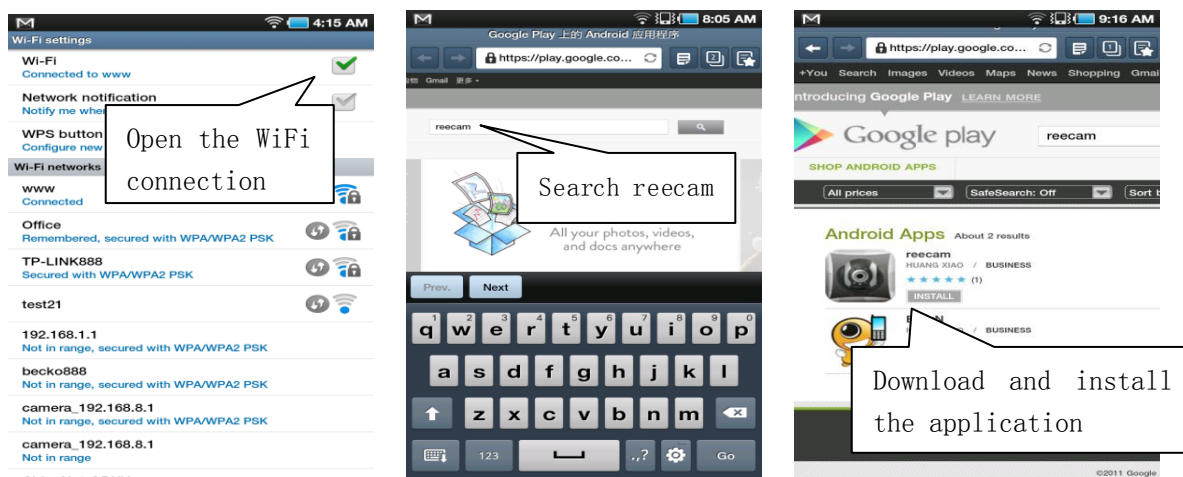
2.4 Copy the ipcamera.apk into SD card.

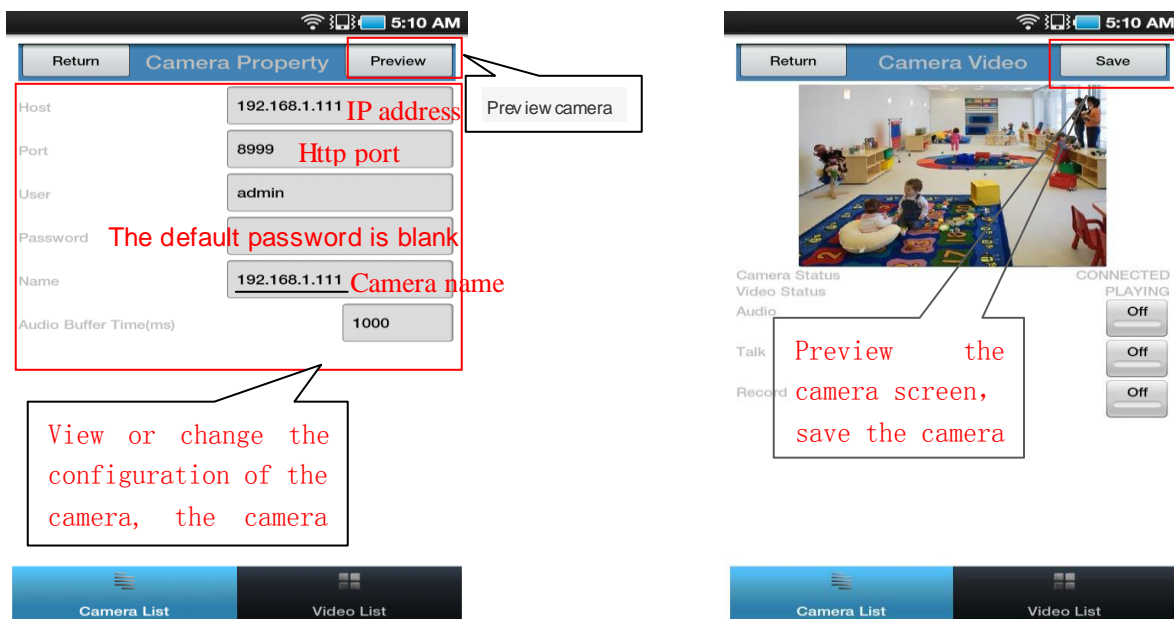
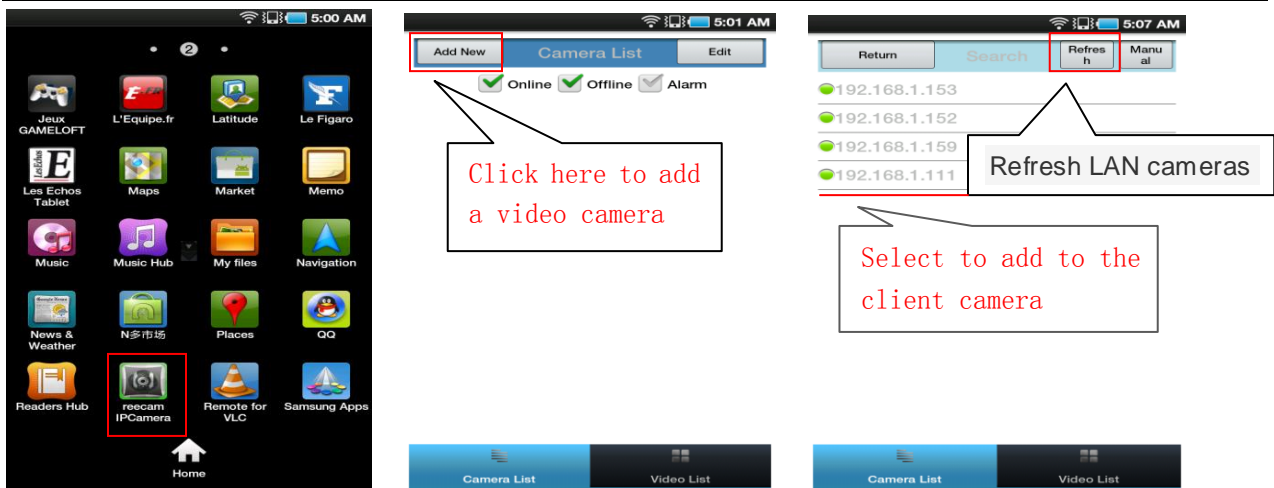
2.5 Disconnect the device, pls find the ipcamera.apk in “File Management” and run it.

2.6 The ipcamera application will be show up on the home screen after you successfully installed.

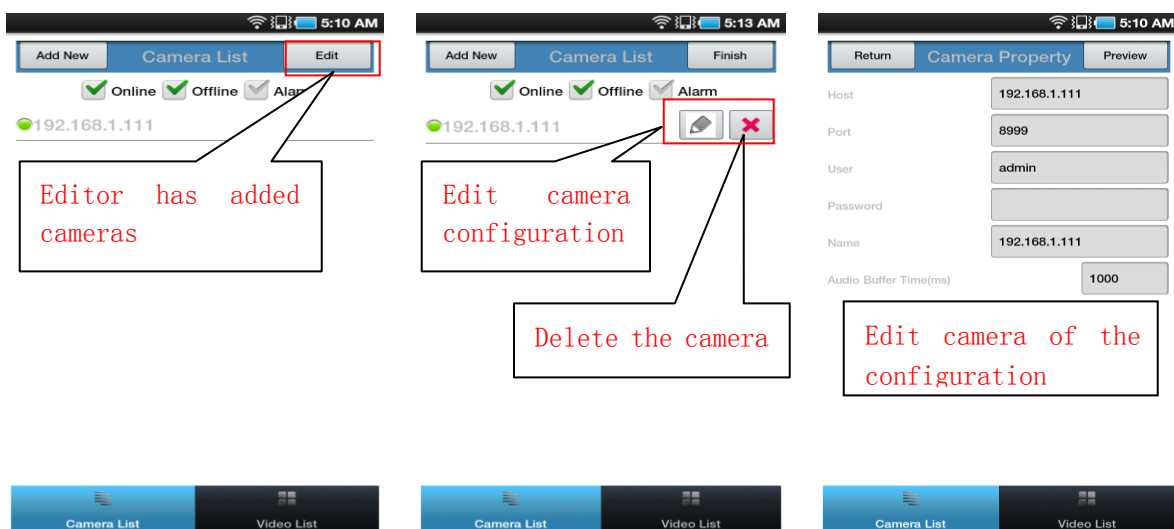
③ Software operating processes:

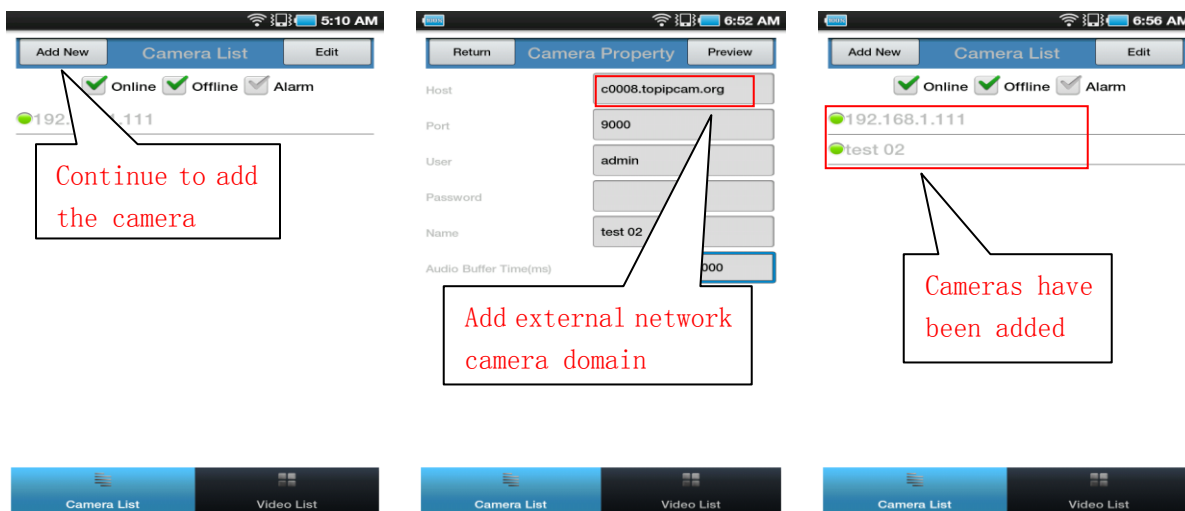
First ensure that the Internet open WIFI connection, the search in the Play, in The Googl Android application reecam.



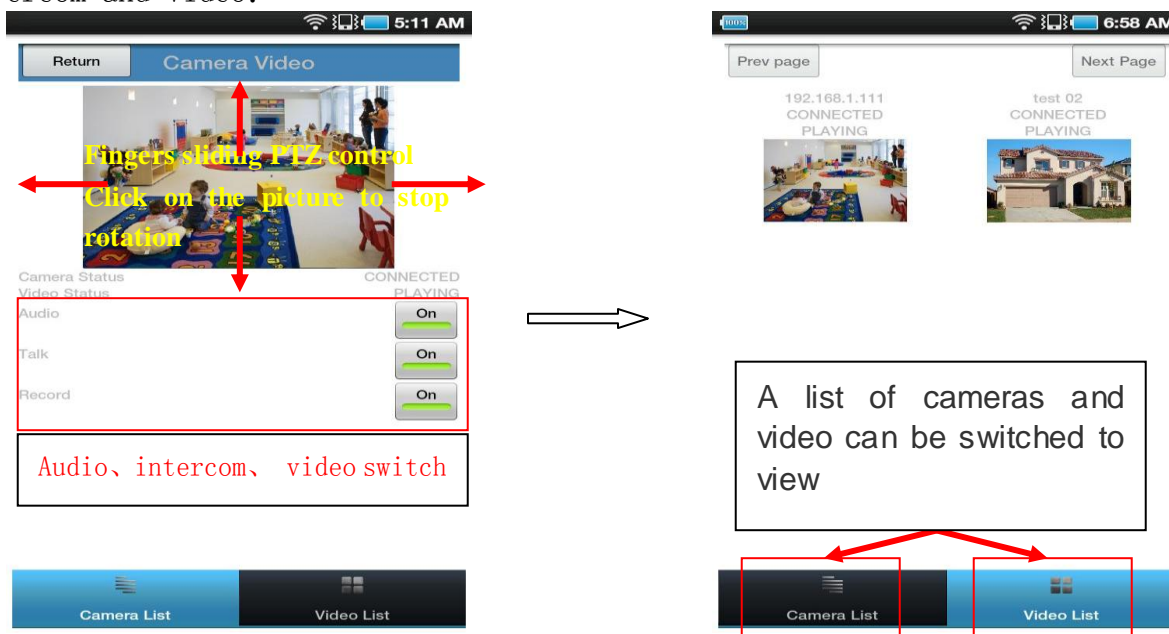


- You can edit the camera, modify camera configuration and delete camera operation.





- For the camera added to the camera list, you can watch camera in real time, Control camera's PTZ and set switch-on and switch-off of the camera's audio, intercom and video:



Picture 51

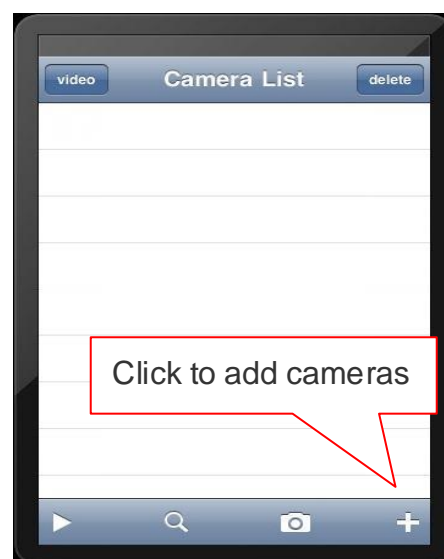
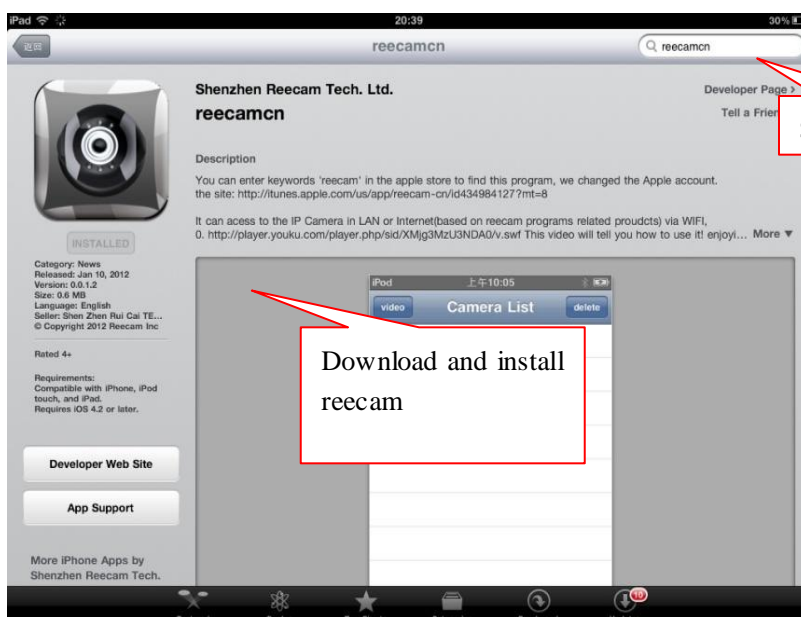
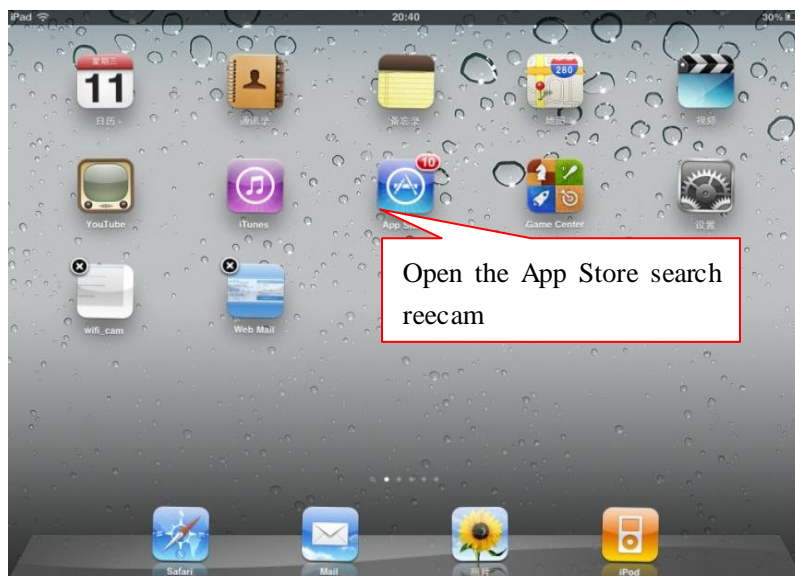


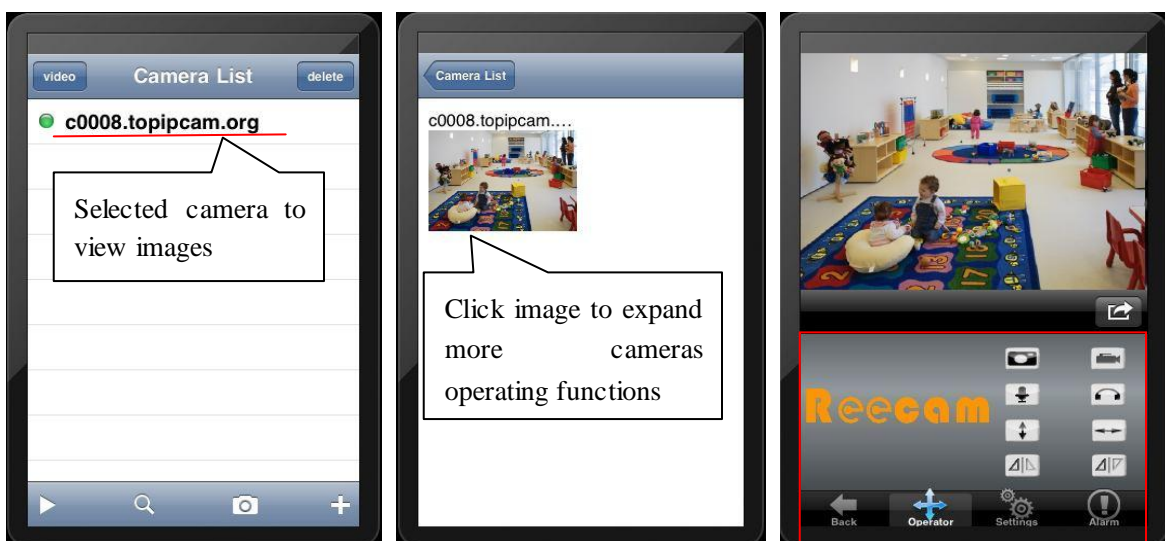
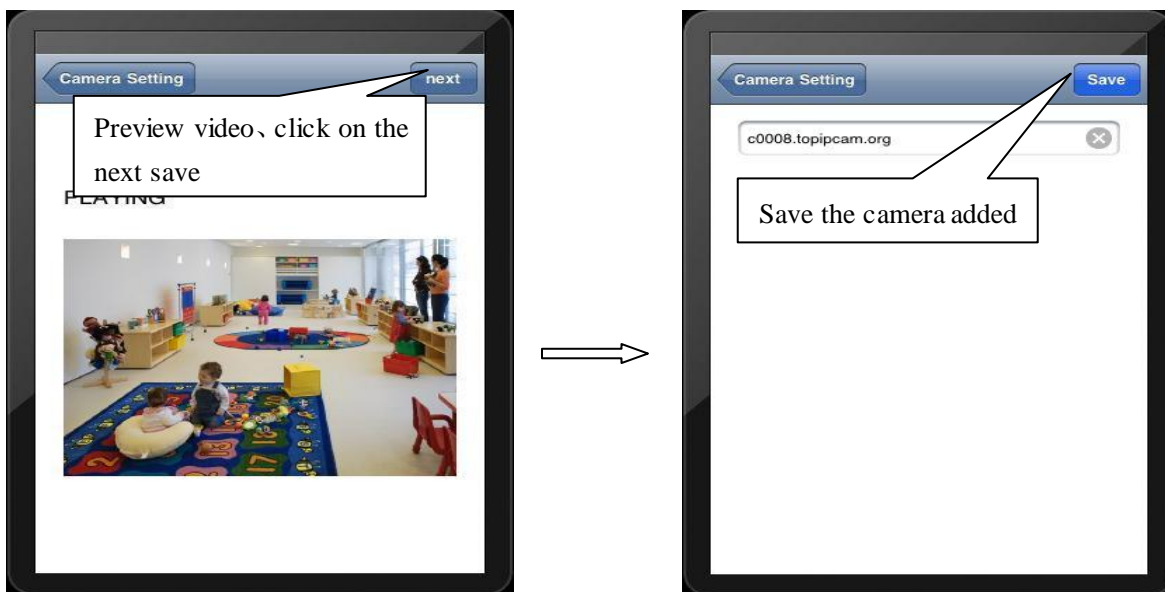
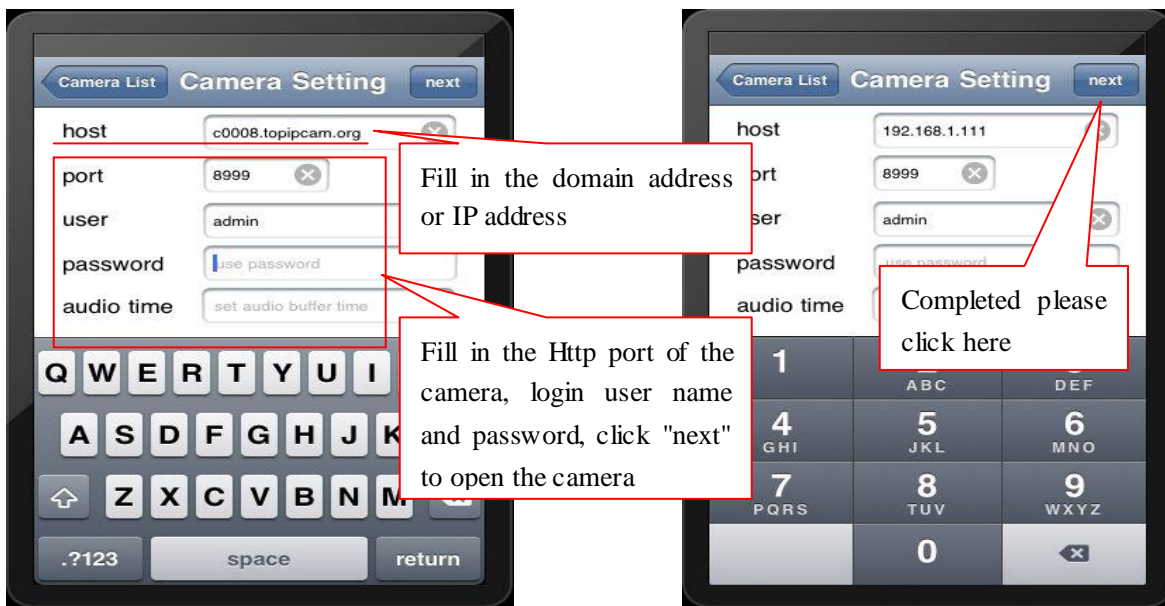
2. The IPCamera setting process for iPhone iPad

Firmware requirements: compatible with iPhone, iPod touch, and iPad.

System requirements: Requires iOS 4.2 or above, You can download the genuine software (ipcamera.app) form the App Store: <http://itunes.apple.com/cn/app/reecam/id479468959?mt=8>

- Software operating process is as follows:





7 Other setting

7.1 Network Setting

7.1.1 Basic Network Settings

If the router that the IP camera connect has DHCP function, you can choice “Obtain IP from DHCP Server” else fill in the network parameters manually.

Http Port: In most cases, you can leave this value as 80, however, if your Internet Service Provider blocks this port, you may switch to another port number such as, 85, 8080, 8888, 9000 Etc. (Range from 0 to 65535, pay attention to the same segment of multiple devices must set up different port. The port t can’t have any conflict with other software or equipment

a. Search tools modification in LAN

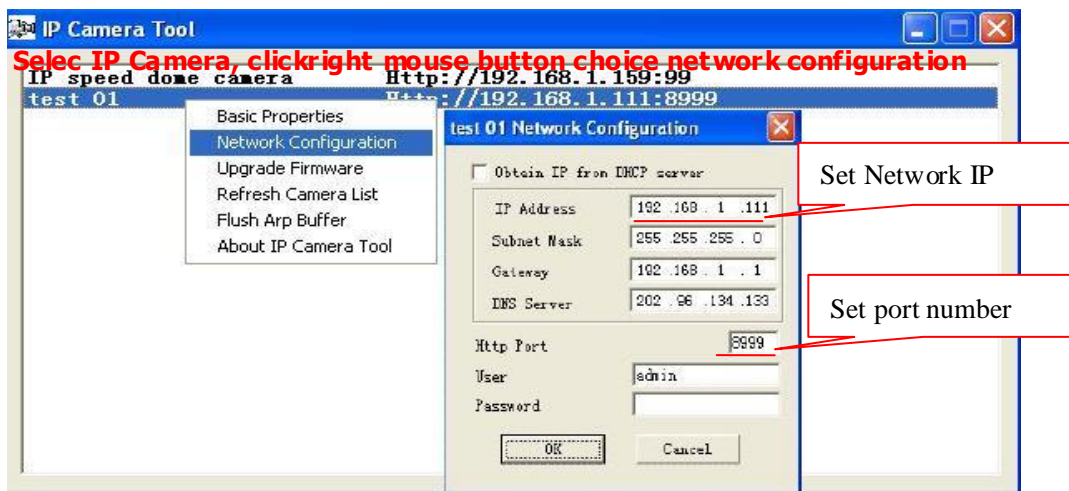


Figure58

b. "For administrator" **For Administrator** "Basic network setting" **Basic Network Settings** -Change the port

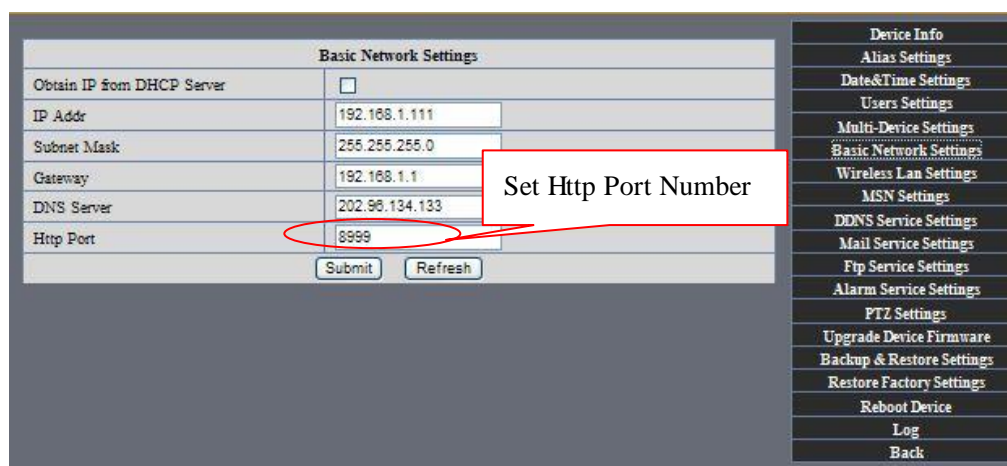
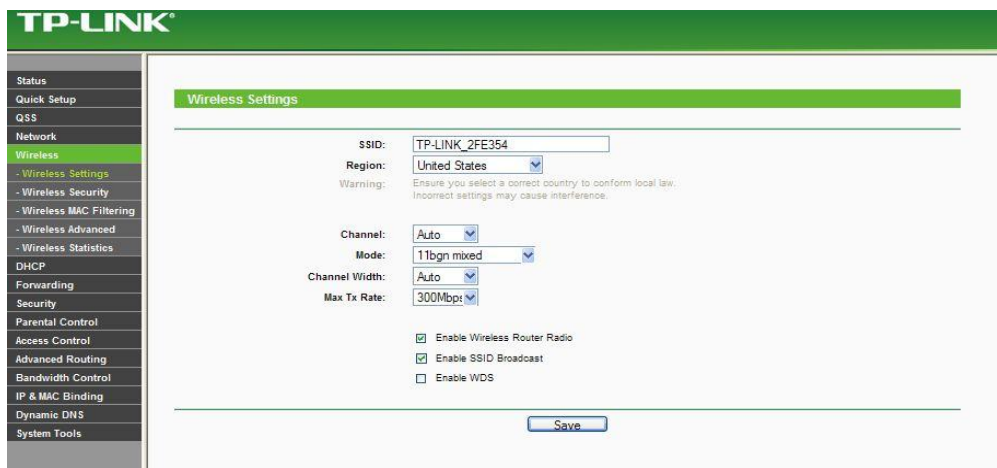


Figure59

● 7.12 WIFI Setting

1) Please enter the wireless net setting page of the wireless Router to find out SSID, Channel (less than 10), Encryption Authentication as below:



TP-LINK

Status
Quick Setup
QSS
Network
Wireless
Wireless Settings
Wireless Security
Wireless MAC Filtering
Wireless Advanced
Wireless Statistics
DHCP
Forwarding
Security
Parental Control
Access Control
Advanced Routing
Bandwidth Control
IP & MAC Binding
Dynamic DNS
System Tools

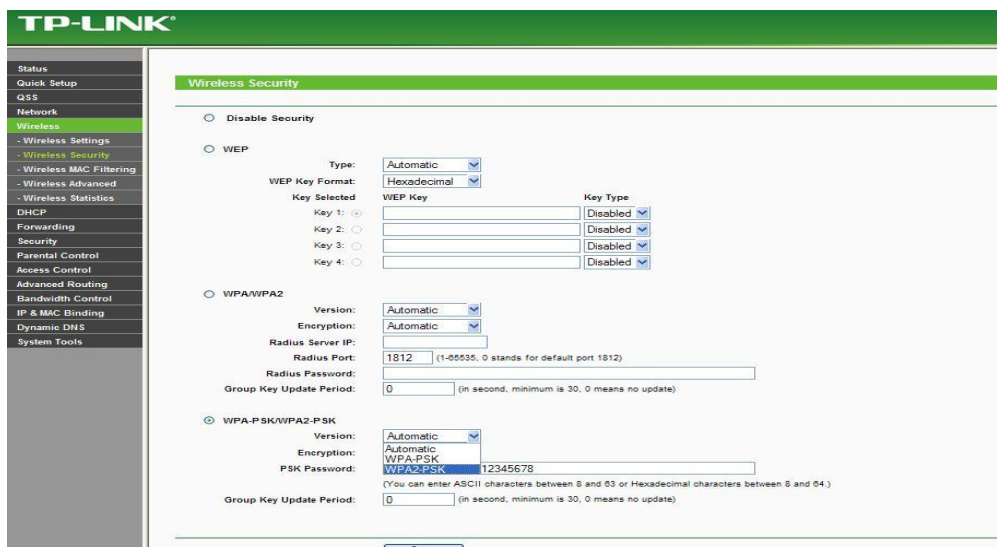
Wireless Settings

SSID: TP-LINK_2FE354
Region: United States
Warning: Ensure you select a correct country to conform local law. Incorrect settings may cause interference.

Channel: Auto
Mode: 11bgn mixed
Channel Width: Auto
Max Tx Rate: 300Mbps

☒ Enable Wireless Router Radio
☒ Enable SSID Broadcast
☐ Enable WDS

Save



TP-LINK

Status
Quick Setup
QSS
Network
Wireless
Wireless Settings
Wireless Security
Wireless MAC Filtering
Wireless Advanced
Wireless Statistics
DHCP
Forwarding
Security
Parental Control
Access Control
Advanced Routing
Bandwidth Control
IP & MAC Binding
Dynamic DNS
System Tools

Wireless Security

☐ Disable Security

☐ WEP

Type: Automatic
WEP Key Format: Hexadecimal
Key Selected: Key 1: ☐ Key 2: ☐ Key 3: ☐ Key 4: ☐
WEP Key: Key Type: Disabled
WEP Key: Key Type: Disabled
WEP Key: Key Type: Disabled
WEP Key: Key Type: Disabled

☐ WPA/WPA2

Version: Automatic
Encryption: Automatic
Radius Server IP:
Radius Port: 1812 (1-65535, 0 stands for default port 1812)
Radius Password:
Group Key Update Period: 0 (in second, minimum is 30, 0 means no update)

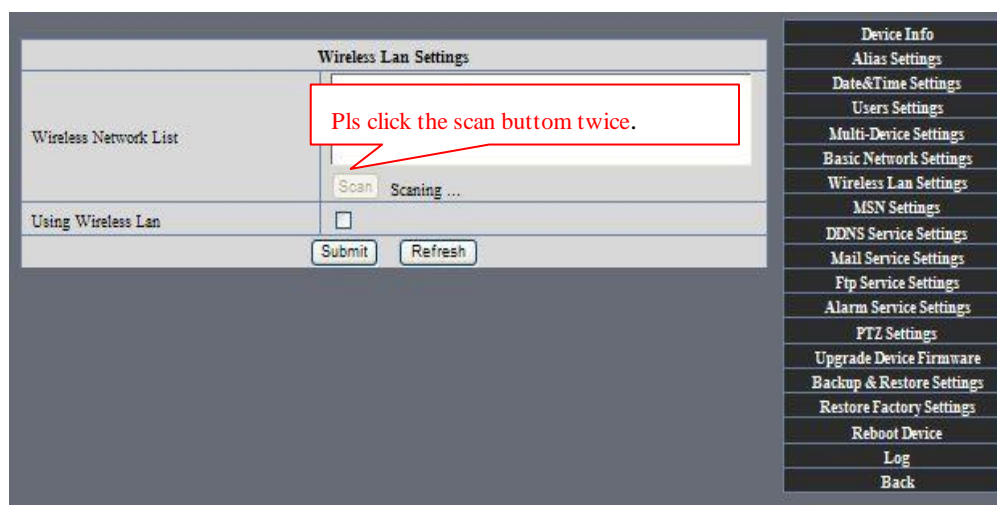
☒ WPA-PSK/WPA2-PSK

Version: Automatic
Encryption: WPA-PSK
PSK Password: 12345678 (You can enter ASCII characters between 8 and 63 or Hexadecimal characters between 8 and 64.)
Group Key Update Period: 0 (in second, minimum is 30, 0 means no update)

Save

Figure 61

As Administrator to Login camera, open wireless LAN Settings page, fill in every Setting (ensure keep the same as router's), and then pulled out of the cable, wireless network function can be used. For example: as shown in belows



Wireless Lan Settings

Wireless Network List

Using Wireless Lan ☐

Scan Scanning ...

Submit Refresh

Pls click the scan button twice.

Device Info
Alias Settings
Date&Time Settings
Users Settings
Multi-Device Settings
Basic Network Settings
Wireless Lan Settings
MSN Settings
DDNS Service Settings
Mail Service Settings
Ftp Service Settings
Alarm Service Settings
PTZ Settings
Upgrade Device Firmware
Backup & Restore Settings
Restore Factory Settings
Reboot Device
Log
Back

Figure62

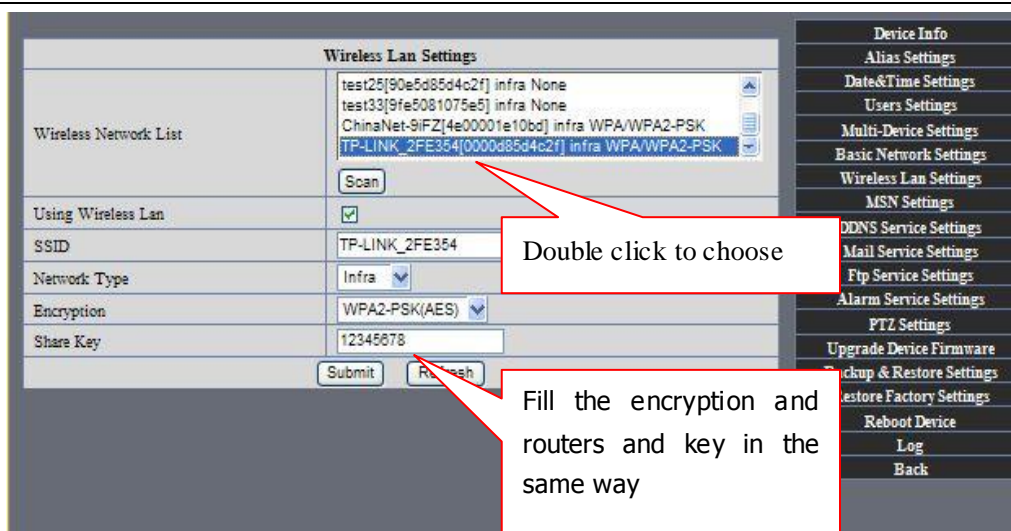
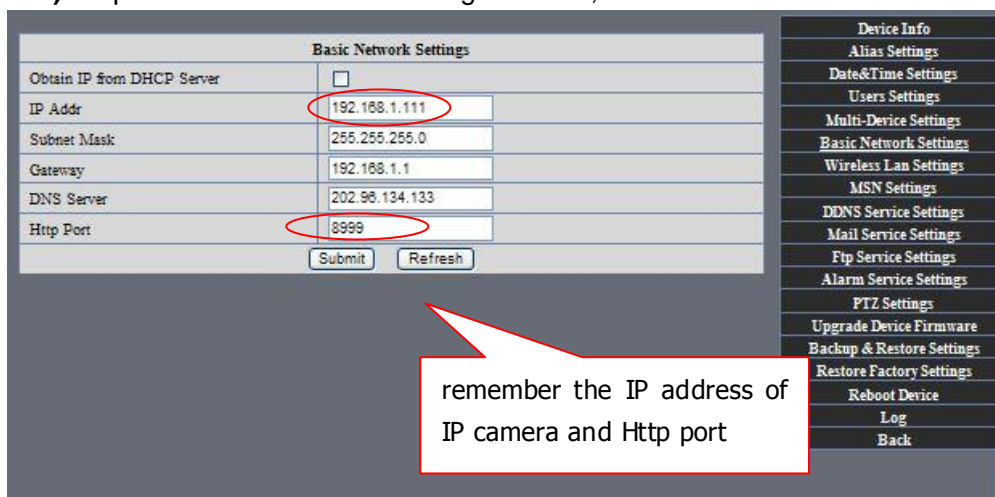


Figure 63

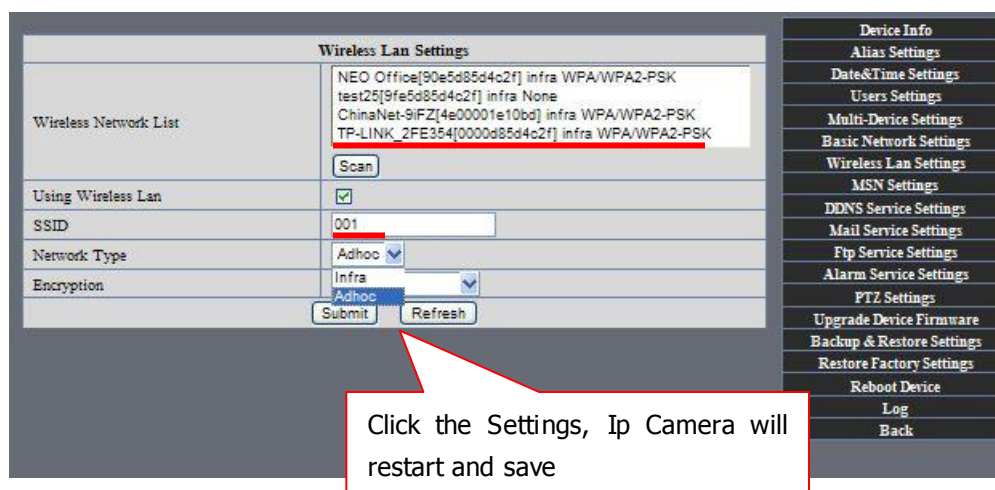
7.13 Adhoc point to point Wireless connection Setting

- 1) Open the basic network setting interface, check the device status



Picture 64

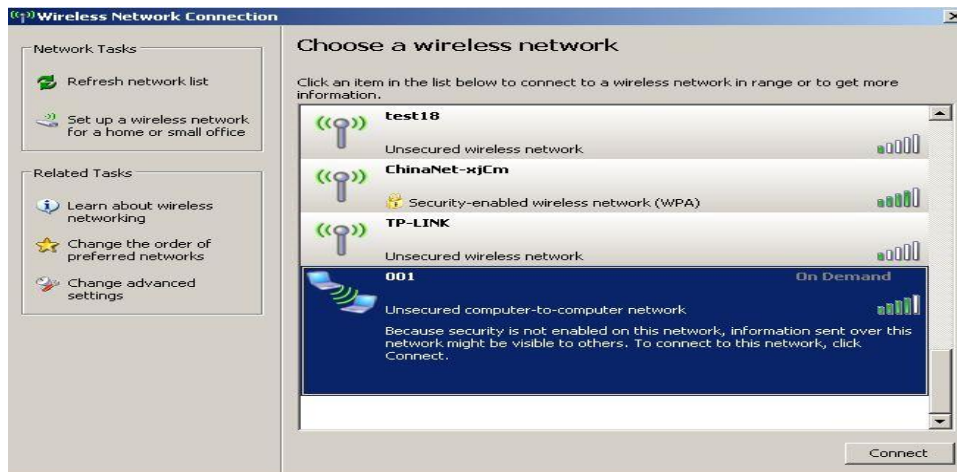
- 2) Open the wireless lan setting interface, choose Adhoc for network type, you can define SSID such as 001



The device is rebooting. Don't shutdown it's power. Please waiting ... 26

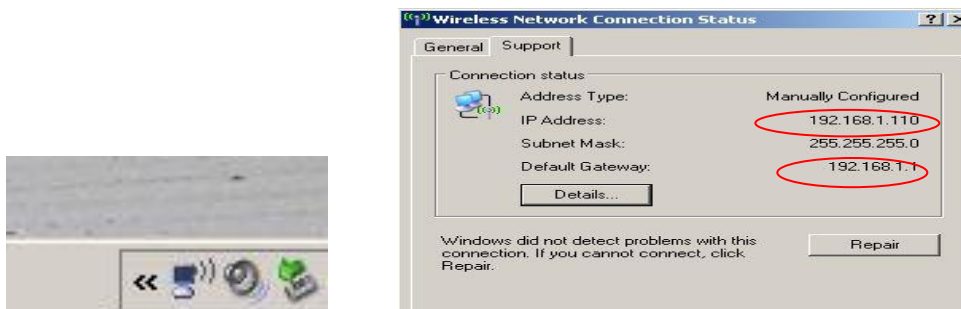
Picture 65

3) Unplug the RJ45 from IP camera .Use laptop or other devices which are with wifi function(include smart phone,ipad and so on) searching the SSID you defined on process 2,then make a connection.



Picture 66

• Click wireless network and check the link status of ip camera. Please note IP address of your connected laptop must be the subset of your ip camera .if not, please reset the ip address of your laptop manually.



Picture 67

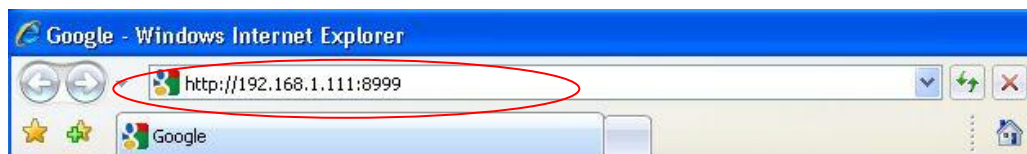
4) Now we can use the ip camera tool or enter ip address of camera directly in browser blank to visit

1. visit by ip camera tool :

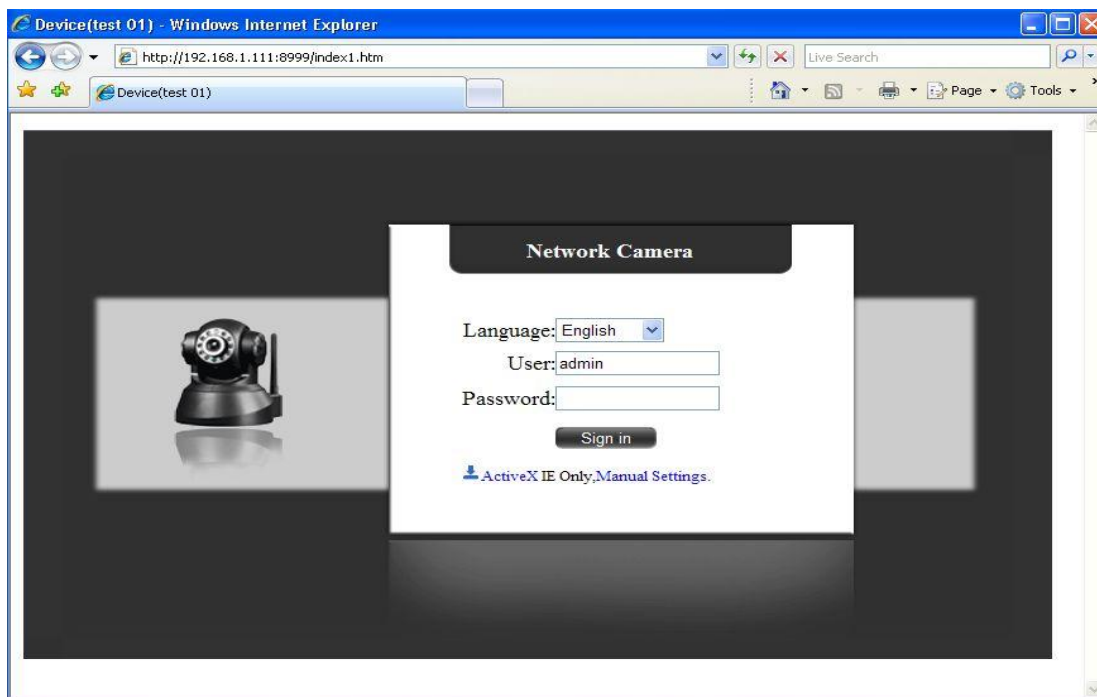


Picture 68

2: Enter ip address in the browser

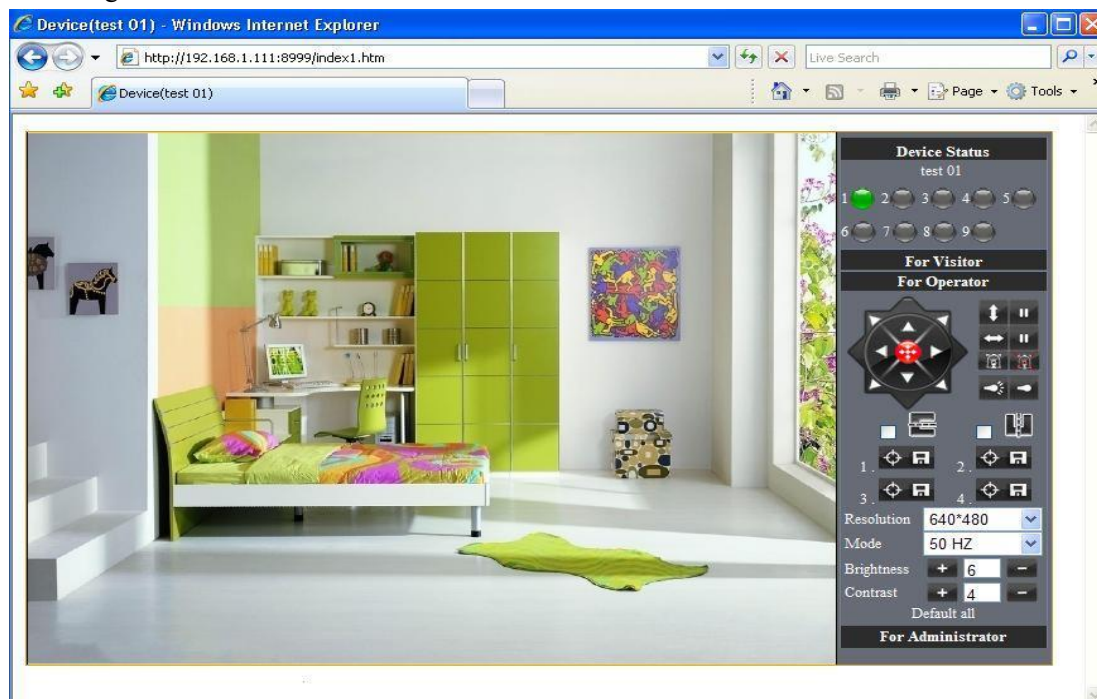


Enter user name and password in the login interface



Picture 69

Click "Sign in" and visit it

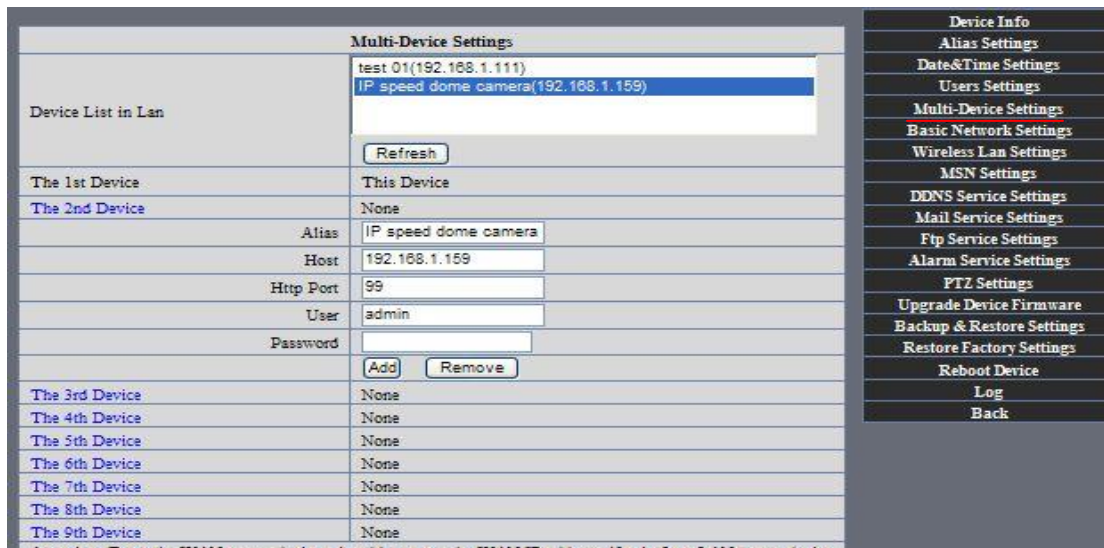


Picture 70

7.2 Multi-Device Settings

- Add cameras in LAN

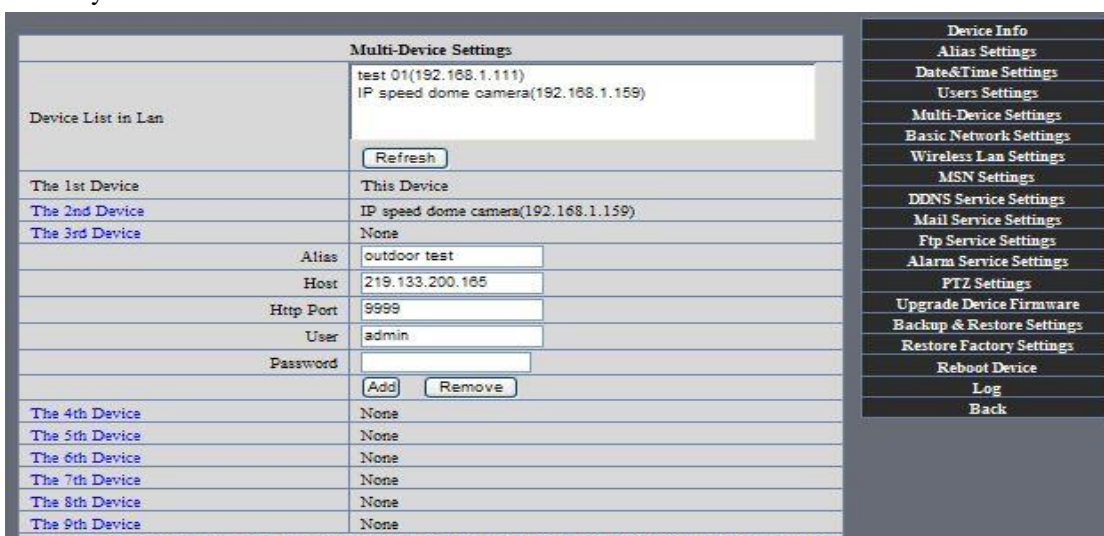
In the Multi-Device Settings page, you can see all devices searched in LAN. The 1st Device is this device in default. You can add more cameras list in LAN for monitoring. This Web software supports up to 9 IP Cameras online simultaneously. Click “The 2ND Device” and Double click the item in the “Device List in LAN”, Alias、Host and Http Port will fill in automatically. Enter the correct username and password then click “add”. Add more cameras in the same way. At last, please don’t forget the “setting” Button



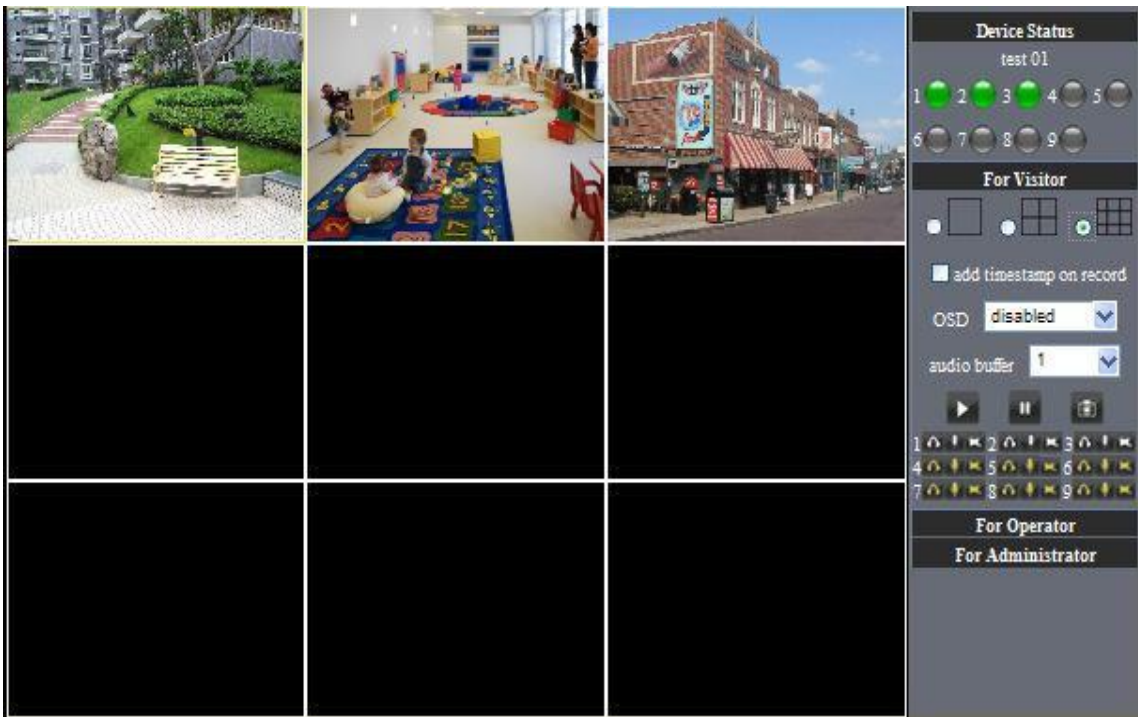
Picture 71

- Add cameras in the Internet

Firstly, make sure the camera added can access in the Internet with the IP address or DDNS domain. Like this: <http://219.133.200.166:9999> or <http://IPcam.dyndns.org:9999>。 You can enter the Host:: 219.133.200.166 **Http port:** 9999 or Host:: IPcam.dyndns.org **Http port:** 9999. Enter the correct username and password then click “add”. Add more cameras in the same way.



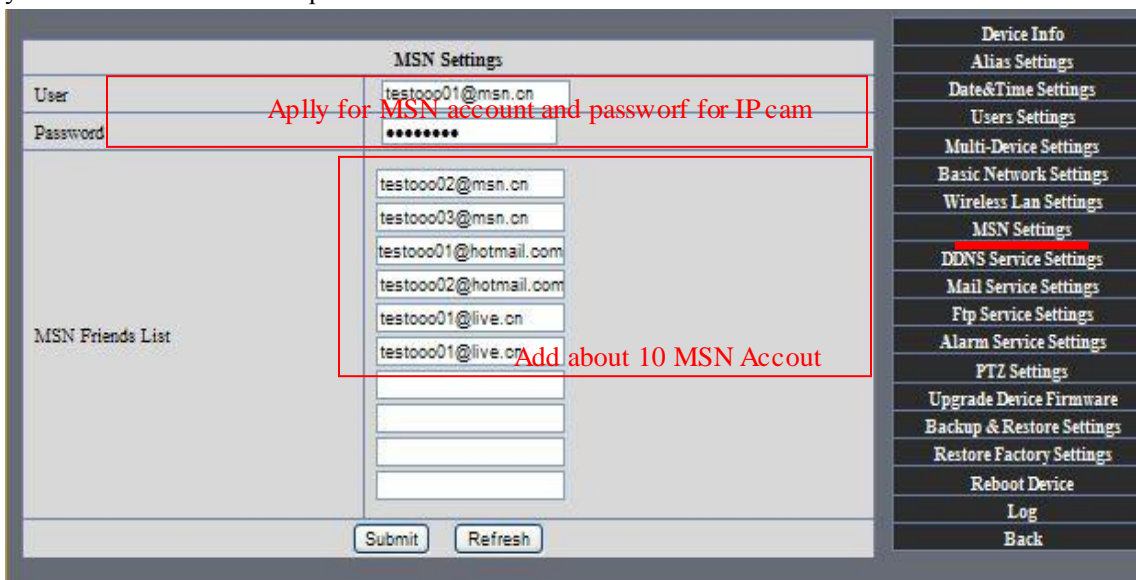
Picture 72



Picture 73

7.3 MSN Settings

Fill in your MSN account and password, then add account which need to receive IPCAM'S ip address to IPCAM'S MSN list (Picture 67),click submit then you'd better restart IP camera. After it ,login your MSN to add IPCAM's MSN account to MSN List that you can receive IPCAM's ip address.



Picture 74

First login and click "add contacts " choose Add Contact ,then fill IPCAM's MSN account in "instant messaging address" ,click next then send offers.

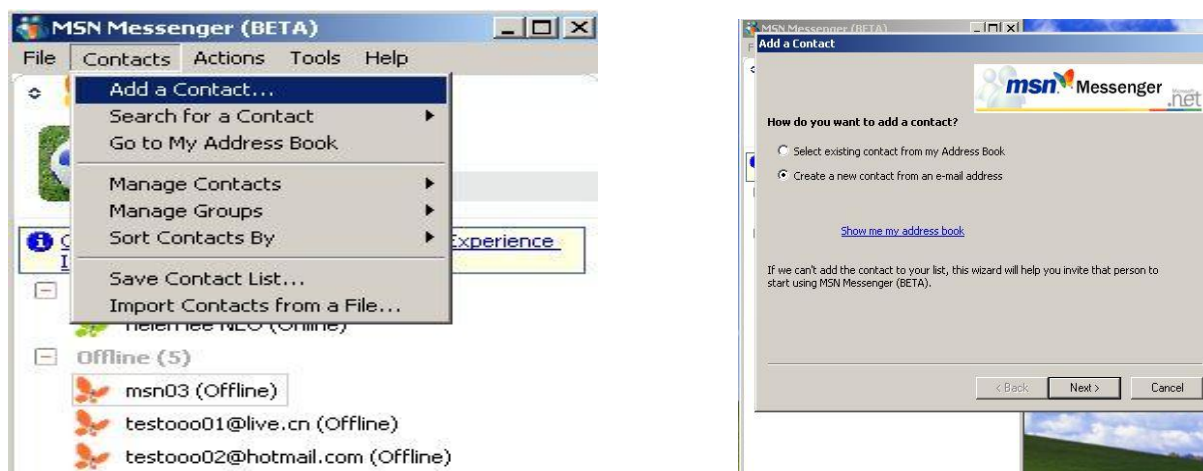


Figure75

Next:

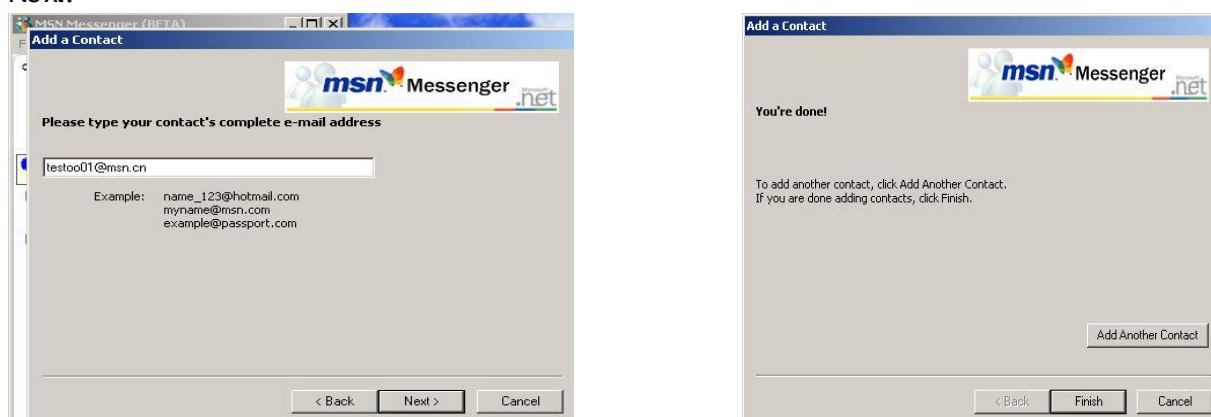
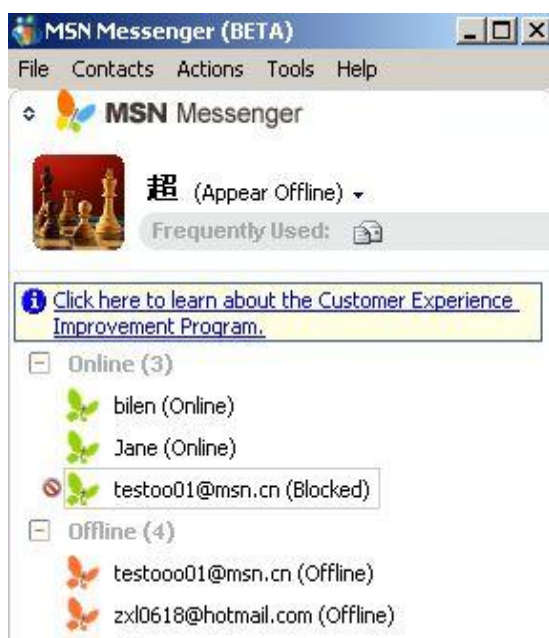
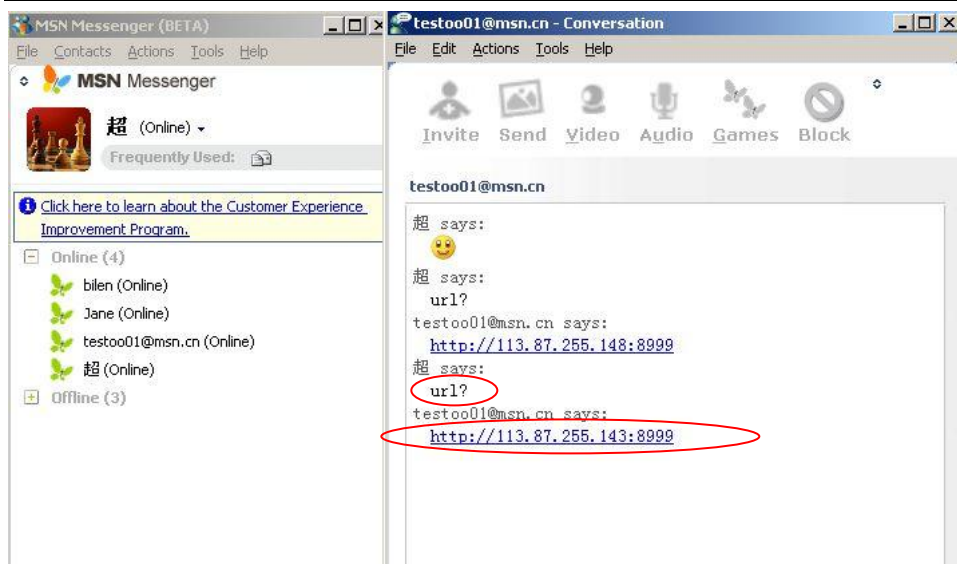


Figure76



. Figure77

When IPCAM's MSN account shows online you can chat with it, input path command "url?" camera account will show its IP address in chatting box promptly as below :



Picture 78

You can input the IP address to browser then can browse ip camera as below:

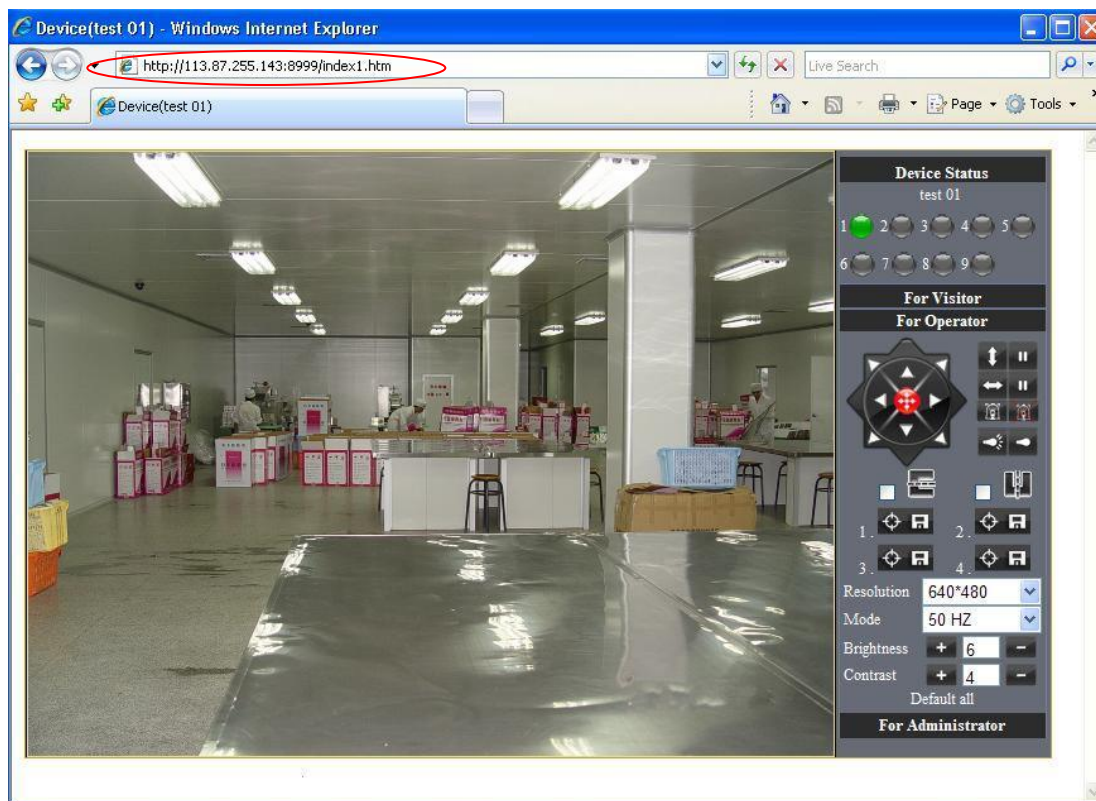


Figure79

Attention:You should fill MSN account in IPCAM first.

7.4 DDNS Service Settings

DDNS Service: The system supports protocols from some DDNS providers: Dyndns.org. System support DDNS ,such as topipcam.org, peanut shell, 3322.org, DynDNS provided IP.



User and Password: the user name and password used when applying for the domain name.. (details: 4.3.2)

DDNS Host: the Domain Name

7.4.1 Factory DDNS

Device had distributed one DDNS to every product.which was sticked the bottom of the product. Such as:

manufacturer had already give every device a DDNS address which is unique. Users only need to fill in this DDNS IP ADDRESS and port in the browser, then they can monitor remote IP camera

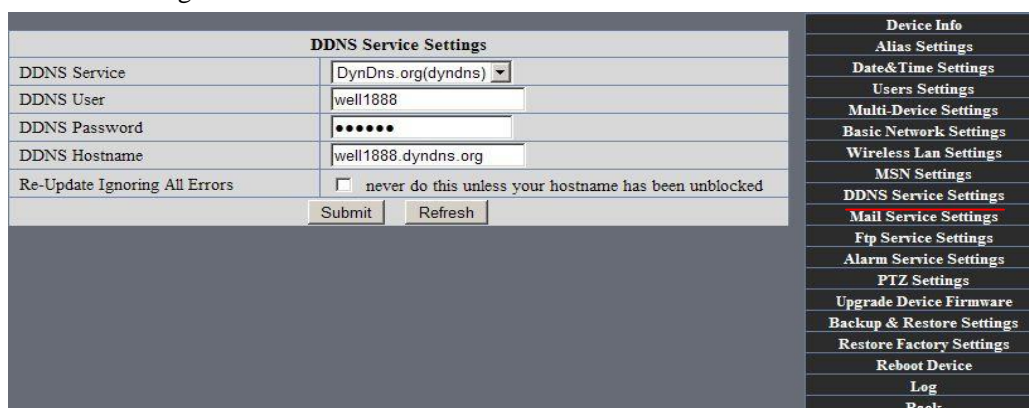


Picture 80 Factory DDNS

Note: When use the domain name access to the camera and UPNP is not successful, you must set port mapping function on routers.

7.4.2 The third part DDNS

Users can use not only Factory DDSN, but also can use third part DDNS System. Such as domain name www.dyndns.org. The only thing the user need to do is to apply a free DDNS and then fill in “set box” as below. Save this setting and this DDNS can be used.



Note: the third party domain name is the realization of analytical way, input the domain in the browser, it will keep this string of characters. If the port of the device isn't 80, then need to add colon and port number .For example: <http://well888.dyndns.org:8999>

7.5 Mail and FTP Service

1) Configure the E-mail box to receive and send mails. The E-mail box is used for receiving the images sent after alarm and the system IP address after successful dial-up..

Note: When Alarm **Service Settings**—> **Send Mail** on Alarm is check, the Mail Service takes effect.

Picture82

Configure the E-mail box to receive and send mails. The E-mail box is used for receiving the images sent after alarm and the system IP address after successful dial-up.

Sender: This device use the sender mailbox to send mails.

Receiver: To receive the mail from the Sender. You can set up to 4 receiver mailbox.

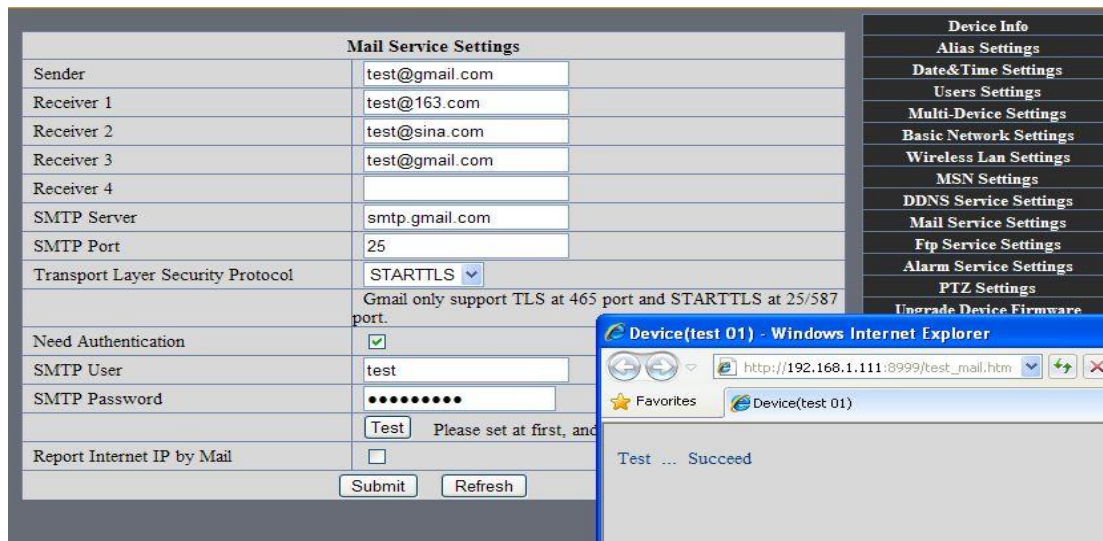
SMTP Server: the SMTP server for the sender mailbox

Need Authentication: if the sender mailbox need authentication, you should check it then input the SMTP username & Password.

Mail test: Please set the Mail parameter and click "Submit" first. There are Mail test result.

Picture 83

Gmail also set as the same: It only needs you to fill in correct SMTP Server address, user and password.



Picture 84

Mail notes Internet IP address: In this option, When Internet IP and port have changed, IP Will be sent via mail.

- 1、Can not connect to the server
- 2、Network Error. Please try later
- 3、Server Error
- 4、Incorrect user or password
- 5、The sender is denied by the server. Maybe the server need to authenticate the user, please check it and try again。
- 6、The receiver is denied by the server. Maybe because of the anti-spam privacy of the server
- 7、The message is denied by the server. Maybe because of the anti-spam privacy of the server
- 8、The server does not support the authentication mode used by the device

Report Internet IP by Mail: When ipcam port or Internet IP changed, it will send the internet IP by mail.(for example: IPCAM 's url is http://119.123.207.96:9002). Make sure the port is map to the router correctly by UPNP or Virtual Map function.

2) FTP Server use and settings

• If you already have an FTP Server (ipcam.com) and email ipcam ,you can fill the parameters as below:



Picture 85

- FTP Server of LAN as below:

1. Create an account



2. Step by step setting until finish it. !

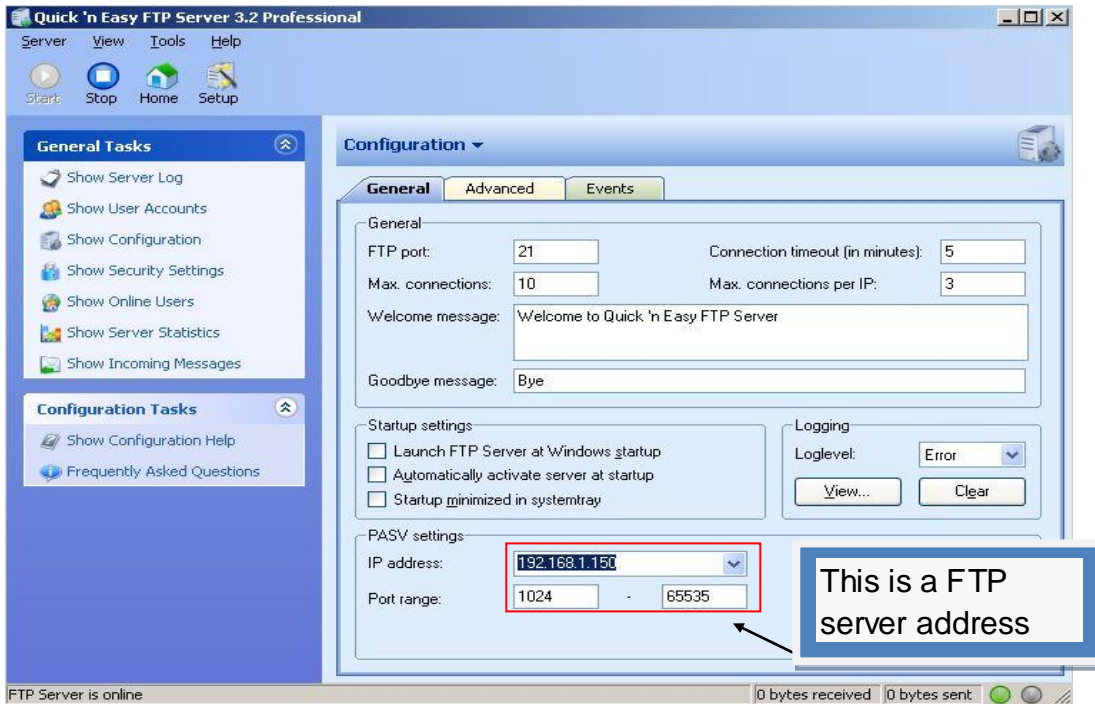


Picture 88

3. Start Server

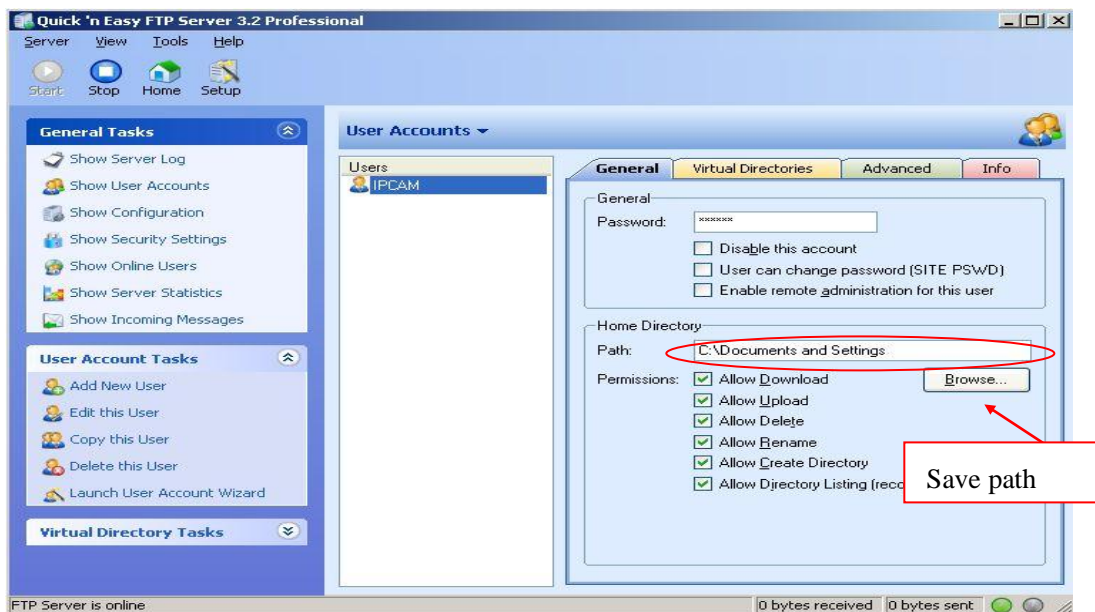


Continue to finish it :



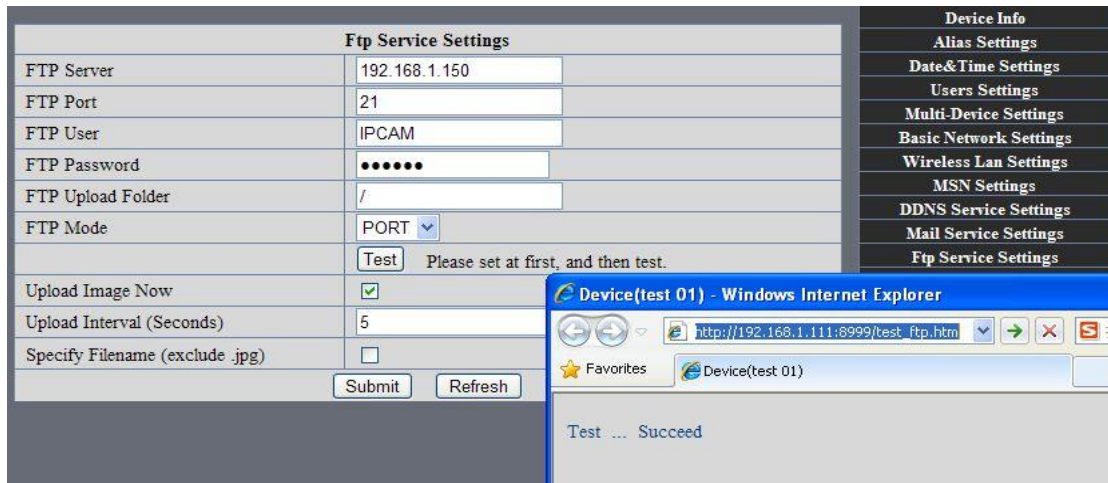
Picture 89

4. IPCAM'S account can be used.



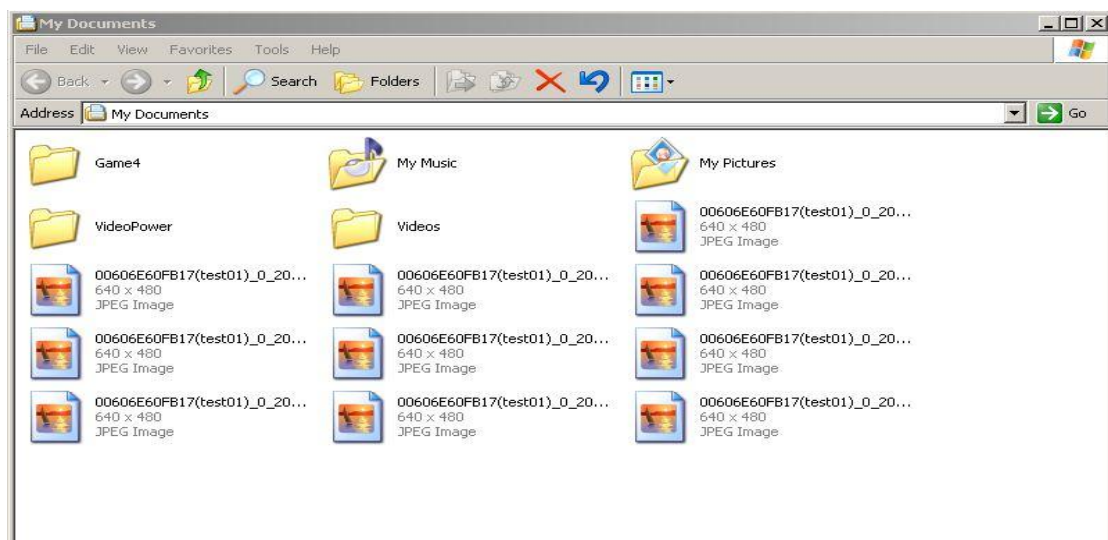
Picture 90

5. IP camera's FTP Server set like this



Picture 91

6. Set up and complete testing is successful, when it alarms, IP camera will upload pictures to the FTP server Settings of main directory path (as shown)



Picture 92

FTP Server: the FTP server address.

FTP port: the port usually is 21

FTP Mode: support standard(POST) mode and passive(PASV) mode.

Upload Image Now: it will upload image now when checkbox is not checked. When checked, you can input upload interval(Seconds)

7.6 Motion Detection

.Enter Alarm Service Settings page to configure Motion Detection function

1) Motion Detect Armed

Each alarm triggers in the protection of time, the device will take various measures to alarm

- IO linkage alarm output: relay closure, external alarm device began to alarm

- Send E-mail alarm informatio
- Transmit pictures to the FTP server, and can set the time interval of sending pictures;

2) Alarm time Settings

Only in the alarm period, detection device to alarm will only have alarm action. All the time (not check the schedule) also can alarm within specified time. For the specified time alarm, firstly need to set up the system time, time zone, and then to choose period of alarm in the state of alarm setting, as shown in Picture 19.

Alarm Service Settings	
Motion Detect Armed	<input checked="" type="checkbox"/>
Motion Detect Sensibility	5
Alarm ON	<input checked="" type="checkbox"/>
Sound Detect Armed	<input checked="" type="checkbox"/>
Sound Detect Sensibility	5
IO Linkage on Alarm	<input checked="" type="checkbox"/>
Send Alarm Notification by Mail	<input checked="" type="checkbox"/>
Upload Image on Alarm	<input checked="" type="checkbox"/>
Upload Interval (Seconds)	5
Path	C:\Documents and Setting Path
Scheduler	<input checked="" type="checkbox"/>

Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Sun																								
Mon																								
Tue																								
Wed																								
Thu																								
Fri																								
Sat																								

Picture93 Alarm of time Settings interface

Motion Detect Armed

When you enable motion detect armed, the camera can be triggered to send email alerts and record images. In the camera monitoring page, the green icon turn to red and an alert sound you will hear,



Motion Detect Sensibility

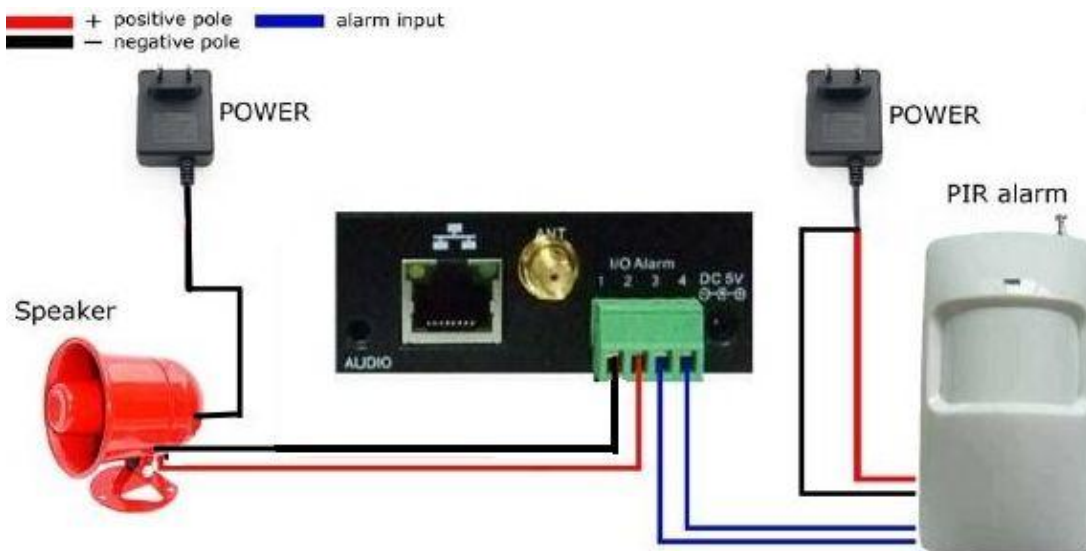
You can choose from low to high 10 level alarm sensitivity. The greater the number, the higher the sensitivity!

Alarm Input Armed



I/O PINS:1) Output(+5V) 2) Output 3) Alarm input 4) Input (GND)

Input Pins: The input pins can be used for 1-way external sensor input(pin3 and pin4). For example, you may connect a Person Infrared Sensor (PIR) to it for motion detection. When external sensor triggered, IPCAM can be programmed to send an email with picture or control the internal relay output.



Picture94

IO Linkage on Alarm

Enable IO linkage on alarm, Pin1 will output +5V when alarm triggered, and output LOW when alarm release automatically.



Switch on/off

buttons control Pin1 output manually.

Send Mail on Alarm

Sent picture and mail inform to customers e-mail after alarmed.(firstly you should finish the Mail Service Settings.)

Alarm Service Settings	
Motion Detect Armed	<input checked="" type="checkbox"/>
Motion Detect Sensibility	5
Alarm ON	<input type="checkbox"/>
Sound Detect Armed	<input type="checkbox"/>
IO Linkage on Alarm	<input type="checkbox"/>
Send Alarm Notification by Mail	<input checked="" type="checkbox"/>
Upload Image on Alarm	<input type="checkbox"/>
Path	C:\Documents and Setting <input type="button" value="Path"/>
Scheduler	<input type="checkbox"/>
<input type="button" value="Submit"/>	

Tick: send to your setted mails

Device Info
Alias Settings
Date&Time Settings
Users Settings
Multi-Device Settings
Basic Network Settings
Wireless Lan Settings
MSN Settings
DDNS Service Settings
Mail Service Settings
Ftp Service Settings
Alarm Service Settings
PTZ Settings
Upgrade Device Firmware
Backup & Restore Settings
Restore Factory Settings
Reboot Device
Log
Back

Picture 95

Upload Image on Alarm

Enable upload image on alarm and set upload interval(Seconds).

Alarm Service Settings	
Motion Detect Armed	<input checked="" type="checkbox"/>
Motion Detect Sensibility	5
Alarm ON	<input type="checkbox"/>
Sound Detect Armed	<input type="checkbox"/>
IO Linkage on Alarm	<input type="checkbox"/>
Send Alarm Notification by Mail	<input checked="" type="checkbox"/>
Upload Image on Alarm	<input checked="" type="checkbox"/>
Upload Interval (Seconds)	5
Path	C:\Documents and Settings\Path
Scheduler	<input type="checkbox"/>
<input type="button" value="Submit"/> <input type="button" value="Refresh"/>	

After Setting up later ,when have the alarm ,the image will send to designated email and FTP server

Device Info

Alias Settings

Date&Time Settings

Users Settings

Multi-Device Settings

Basic Network Settings

Wireless Lan Settings

MSN Settings

DDNS Service Settings

Mail Service Settings

Ftp Service Settings

Alarm Service Settings

PTZ Settings

Upgrade Device Firmware

Backup & Restore Settings

Restore Factory Settings

Reboot Device

Log

Back

Picture 96

REC automatically and save to PC

When you enable motion detect and open the camera monitoring page on the PC. If there is an alarm triggered, REC will start automatically for several seconds and save to the PC.

Alarm Service Settings	
Motion Detect Armed	<input checked="" type="checkbox"/>
Motion Detect Sensibility	5
Alarm ON	<input type="checkbox"/>
Sound Detect Armed	<input type="checkbox"/>
IO Linkage on Alarm	<input type="checkbox"/>
Send Alarm Notification by Mail	<input checked="" type="checkbox"/>
Upload Image on Alarm	<input checked="" type="checkbox"/>
Upload Interval (Seconds)	5
Path	C:\Documents and Settings\Path
Scheduler	<input type="checkbox"/>
<input type="button" value="Submit"/> <input type="button" value="Refresh"/>	

Storage path can be changed

Device Info

Alias Settings

Date&Time Settings

Users Settings

Multi-Device Settings

Basic Network Settings

Wireless Lan Settings

MSN Settings

DDNS Service Settings

Mail Service Settings

Ftp Service Settings

Alarm Service Settings

PTZ Settings

Upgrade Device Firmware

Backup & Restore Settings

Restore Factory Settings

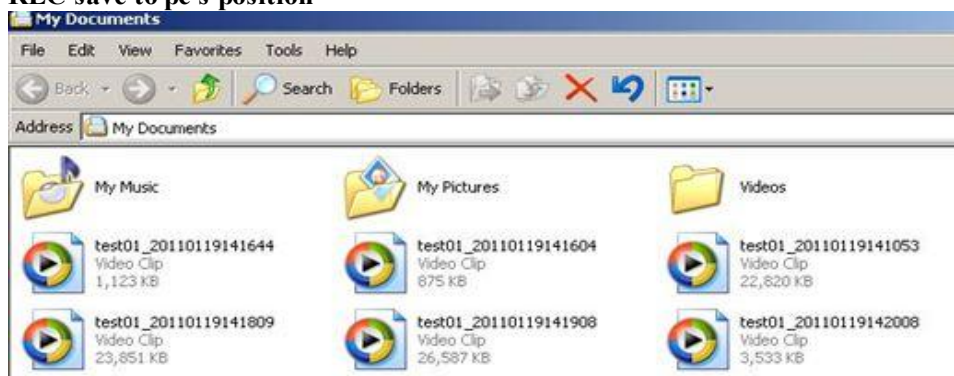
Reboot Device

Log

Back

Picture 97

REC save to pc's position



Picture 98

7.7 IP camera's Time & Date setting and PTZ Setting

If IP camera connected with Internet, it can automatically check the time & date via running NTP Server. And need to choose properly IP camera's Time zone. Otherwise it need PC Time to check IP camera time & Date.

Date&Time Settings	
Device Clock Time	Monday, July 09, 2012 11:11:33 AM
Device Clock Timezone	(GMT) Greenwich mean time; London, Lisbon, Casablan ▼
Sync with NTP Server	<input checked="" type="checkbox"/>
Ntp Server	time.nist.gov ▼
Sync with PC Time	<input type="checkbox"/>
<input type="button" value="Submit"/> <input type="button" value="Refresh"/>	

Pre-set and Speed of PT.

PTZ Settings	
Disable Preset	<input type="checkbox"/>
Go Preset on boot	center ▼
PT speed	5 ▼
Upward patrol speed	3 ▼
Downward patrol speed	3 ▼
Leftward patrol speed	3 ▼
Rightward patrol speed	3 ▼
<input type="button" value="Submit"/> <input type="button" value="Refresh"/>	

The huger the Number is, The slower it will be.

7.8 UPGRADE DEVICE FIRMWARE

Upgrade Device Firmware		
Upgrade Device Firmware	<input type="text"/>	<input type="button" value="Browse..."/> <input type="button" value="Submit"/>
Upgrade Device Embeded Web UI	<input type="text"/>	<input type="button" value="Browse..."/> <input type="button" value="Submit"/>

Picture 101 Firmware upgrade

IP CAMERA has two kinds of programme: One is system firmware, another is application firmware. It can be upgraded separately.

7.9 BACKUP AND RESTORE SETTING

Click "Set" in the 'Backup' will lead to a BIN file  , and choose this file to restore setting !

Backup & Restore Settings	
Backup	<input type="button" value="Submit"/>
Restore	<input type="text"/> <input type="button" value="Browse..."/> <input type="button" value="Submit"/>

8 APPENDIX

8.1 REGISTER AND APPLY FOR DDNS SERVICE

1、Users use DDNS management system first time. Users need to apply account to manage and inquire the domain state.

Step1: enter <http://www.dyndns.com/> and **Create Account.**(Fill in Domain Name **.dyndns.org** then Click Add)

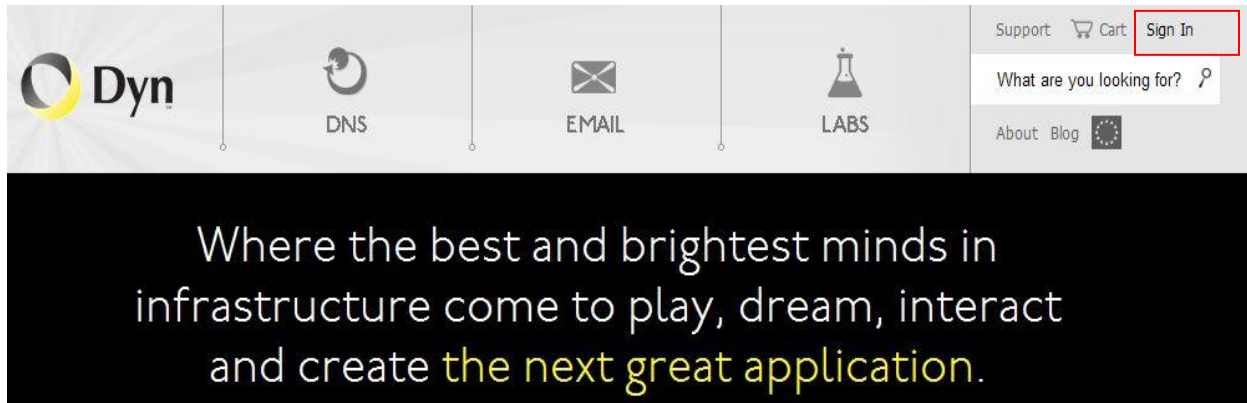


Figure103

Step2: enter your information

Create an account or log in to continue

Welcome! You can login to the right to manage your services or create an account below.
If you haven't already, check out the new site on [dyn.com](#)! Did you mean to log in to [DynECT Email Delivery](#) or [DynECT Managed DNS](#)?

Username
well1888

Password
•••••

Confirm password
•••••

Email
well1888@yahoo.cn

Confirm Email
well1888@yahoo.cn

Please enter an email that matches the field above.

Security Image

3 1 1 0 3

Enter the numbers from the above image:

31103

Already Registered?

Username

Password

Log in

[Forgot your password?](#)

☒ Subscribe to Dyn newsletter (One or two per month)

☒ I accept the terms of Dyn's [Acceptable Use Policy](#), the [Dyn Services Agreement](#), and Dyn's [Privacy Policy](#).

Create Account

If you're having difficulty creating your account, for any reason, feel free to [contact us](#).

Figure104

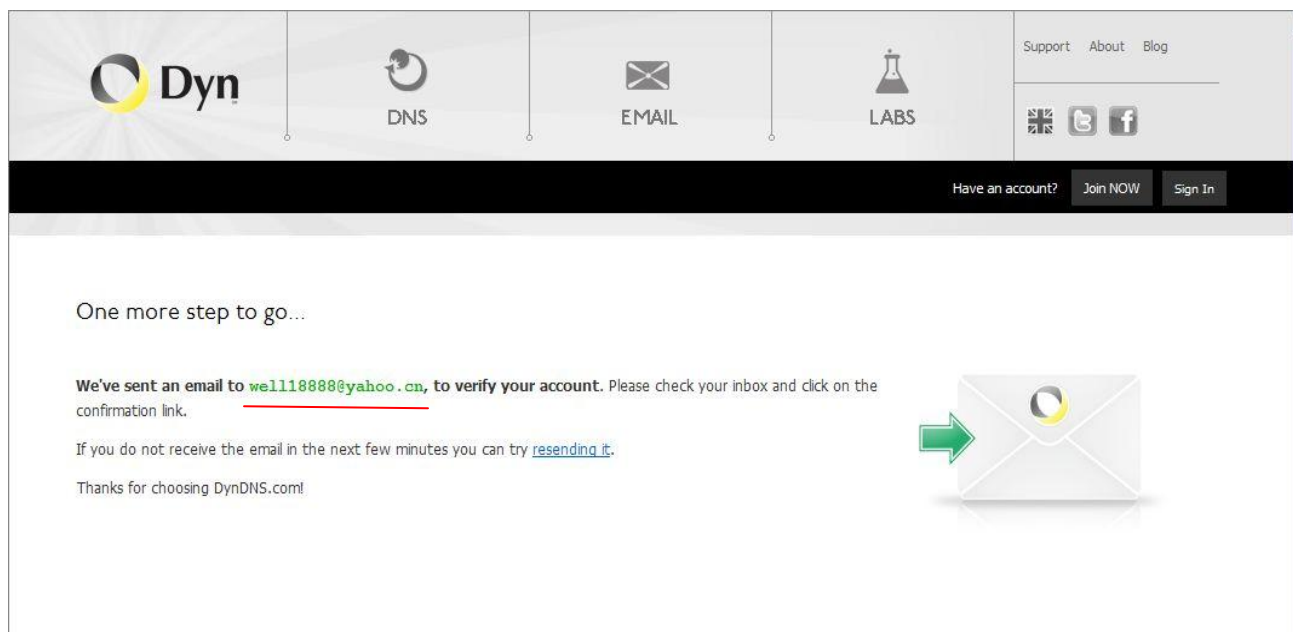


Figure105

Step3: After a minute, you will receive an E-mail from **DynDNS Support** and it will give you a confirmation address

(e.g. https://account.dyn.com/eml/createconf/ILHMZHRje5oF_6YXTYv1A)

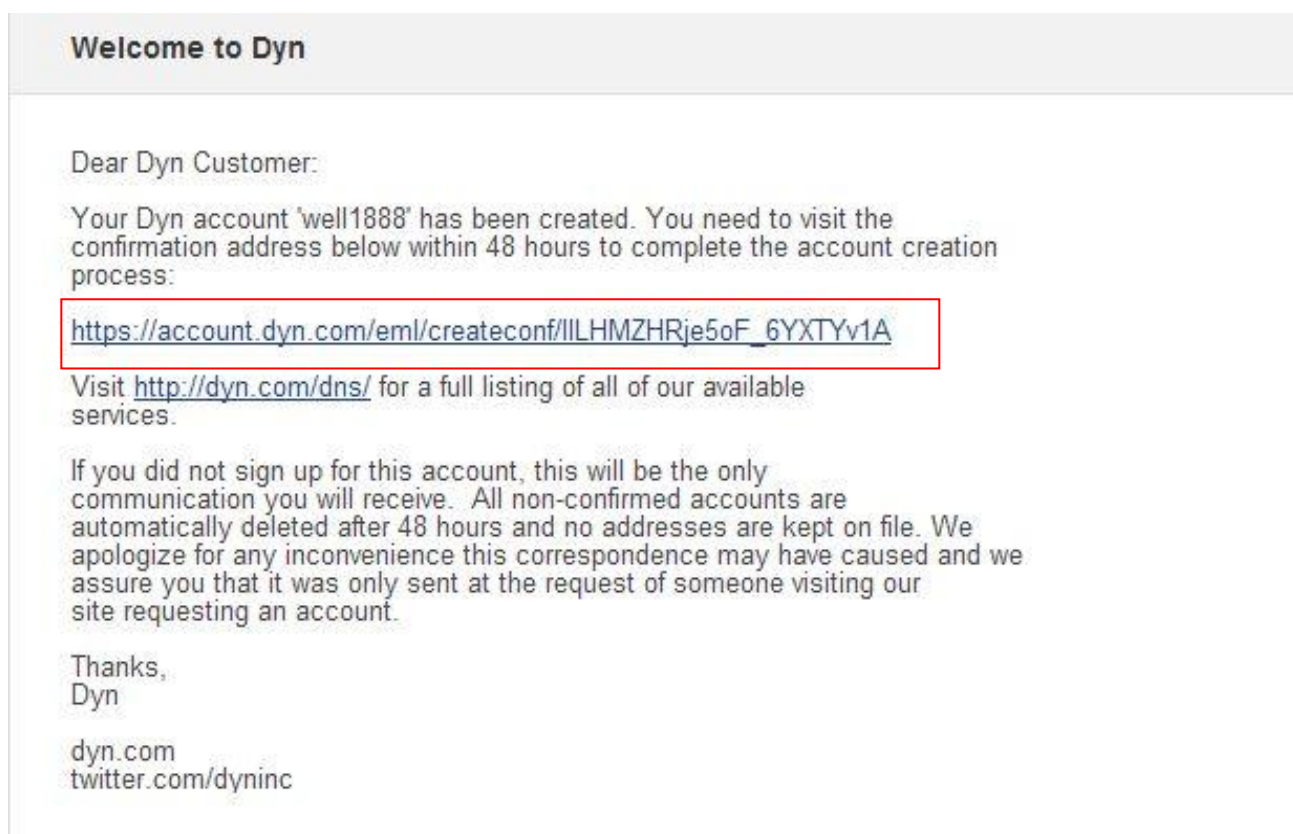


Figure106

Step4: Open the link to active your Domain Name as below.Login in your account after it is activated

Figure107

Step5: Check all the DDNS services,we choose the 14-day-trial

Account **well1888** has been confirmed and activated. Please explore the following options to get started.

	DynDNS Pro	Dyn Standard DNS	DynECT Managed DNS Lite
	\$20.00/yr	\$29.95/yr	\$30.00/mo STARTING PRICE
	CONTINUE	CONTINUE	CONTINUE
Hostnames/DNS Records	25	75	100+
Domain name	Choose from one of ours	Custom Domain	DNS hosting from 10+ domains
Access to phone technical support	✓	✓	✓
Number of Users	1	1	100+
Data Centers	5 Unicast	5 Unicast	17 Anycast
Logs	Update history (24 hr.)	Update history (24 hr.)	Comprehensive change logs
SOAP/REST API	-	-	✓
	CONTINUE	CONTINUE	CONTINUE

Just starting out with Dynamic DNS? We offer a [14-day trial](#) of DynDNS Pro!

Figure108

Step6: Click the link,and user will see as below.

- enter your information

Welcome **well1888** **FREE** My Services My Cart Log Out

My Account

My Services

- DynDNS Pro/Hosts
- DynECT Managed DNS Lite
- Domain names, DNS hosting, Dyn Email services
- Internet Guide
- Dyn Standard SMTP
- DynECT Email Delivery Lite
- Renew Services
- Auto Renew Settings
- Sync Expirations
- Tips on Getting Started

Account Settings

Billing

My Cart
1 item

Add New Hostname

[Host Services](#)

You currently have an unpurchased [DynDNS Pro Trial service](#) in your shopping cart. You can now create hostnames on our [subscriber-only premium domains](#), enable wildcard subdomains, and access a variety of other benefits.

Please note: if you cancel the DynDNS Pro Trial service, these features will be disabled.

Hostname: well1888 . dyndns.org

Wildcard: ☐ create "*.host.dyndns-yourdomain.com" alias (for example to use same settings for www.host.dyndns-yourdomain.com)

Service Type: ☒ Host with IP address
☐ WebHop Redirect (URL forwarding service)
☐ Offline Hostname

IP Address: 116.24.233.9
 IPv4 or IPv6 address should be specified!
[Your current location's IP address is 116.24.233.9](#)

IPv6 Address (optional):

TTL value is 60 seconds. [Edit TTL...](#)

Mail Routing: ☐ I have mail server with another name and would like to add MX hostname...

[Add To Cart](#)

Figure109

Step7: Now you obtained a Dynamic Domain Name(Figure 105),and can use it in the **DDNS Service Settings**(details: [7.4](#))

Welcome **well1888** **FREE** My Services My Cart Log Out

My Account

My Services

Account Settings

Billing

- Active Services
- Renew Services
- Auto Renew Settings
- Order History
- Billing Profile
- Sync Expirations

Shopping Cart

[PROCEED TO CHECKOUT](#)

Upgrade Options

Take the first step toward 100% reliable primary DNS management with [Dyn Standard DNS](#). With 10 years of industry leading uptime, why risk downtime with anyone else? Pricing starts at just \$29.95 per year and you can [get started today!](#)

Item	Remove	Price
DynDNS Pro Trial (14 days)	remove	\$0.00
Dynamic DNS Hosts		
well1888.dyndns.org	remove	\$0.00

Order Total: \$0.00

Discount: [Use Coupon](#)

Contribute to [DynCares](#), Dyn's foundation work. \$5.00 [Add](#)

[PROCEED TO CHECKOUT](#)

Figure110

2.For DDNS which is applied successfully, you can fill in the IP CAMERA. When set successfully, the status of IP will be shown as blows:

DDNS Service Settings	
DDNS Service	DynDns.org(dyndns) ▾
DDNS User	well1888
DDNS Password	•••••
DDNS Hostname	well1888.dyndns.org
Re-Update Ignoring All Errors	<input type="checkbox"/> never do this unless your hostname has been unblocked
<input type="button" value="Submit"/> <input type="button" value="Refresh"/>	

Device Info

Alias Settings

Date&Time Settings

Users Settings

Multi-Device Settings

Basic Network Settings

Wireless Lan Settings

MSN Settings

DDNS Service Settings

Mail Service Settings

Ftp Service Settings

Alarm Service Settings

PTZ Settings

Upgrade Device Firmware

Backup & Restore Settings

Restore Factory Settings

Reboot Device

Log

Back

picture 111

Device Status	
Device ID	00606E001B4F
WiFi MAC ID	7CDD90155F2E
Device Firmware Version	0.37.2.47
Device Embedded Web UI Version	2.2.10.12
Alias	test 01
Alarm Status	None
DDNS Status	DynDns Succeed http://well1888.dyndns.org:8999
UPnP Status	UPnP Succeed
MSN Status	Succeed
<input type="button" value="Refresh"/>	

Device Info

Alias Settings

Date&Time Settings

Users Settings

Multi-Device Settings

Basic Network Settings

Wireless Lan Settings

MSN Settings

DDNS Service Settings

Mail Service Settings

Ftp Service Settings

Alarm Service Settings

PTZ Settings

Upgrade Device Firmware

Backup & Restore Settings

Restore Factory Settings

Reboot Device

Log

Back

picture 112

3、How to set DDNS on line?

The first way: Menu "start"- "run"—> Input CMD, Click "enter". It can check DDNS Statas via. As shown below:

```
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings\Administrator>ping well1888.dyndns.org:8999

Pinging reotestldyndns.org:8999 [121.10.40.146] with 32 bytes of data:

Reply from 121.10.40.146: bytes=32 time=5ms TTL=58
Reply from 121.10.40.146: bytes=32 time=6ms TTL=58
Reply from 121.10.40.146: bytes=32 time=7ms TTL=58
Reply from 121.10.40.146: bytes=32 time=5ms TTL=58

Ping statistics for 121.10.40.146:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 5ms, Maximum = 7ms, Average = 5ms

C:\Documents and Settings\Administrator>
```

Picture 113

Through the PING command, this dynamic domain name can be back in the network response information. It proves that the domain name has been online.

If the domain name update not success! Possible reasons:

(1) DDNS parameter is not correct. (2) may cause DNS address configuration is wrong.

8.2 Some special application for IPCAMERA

IPCam: Use some grammar parameter control and Use IPCam

user: user

pwd: password

pri: The current access (1: visitors 2:3: operator managers)

resolution: Image resolution (8: 320*240 vga, 32: 640*480 vga)

rate: Image transmission speed and scope 0-23

brightness: brightness, 0~255

contrast: contrast, 0~6

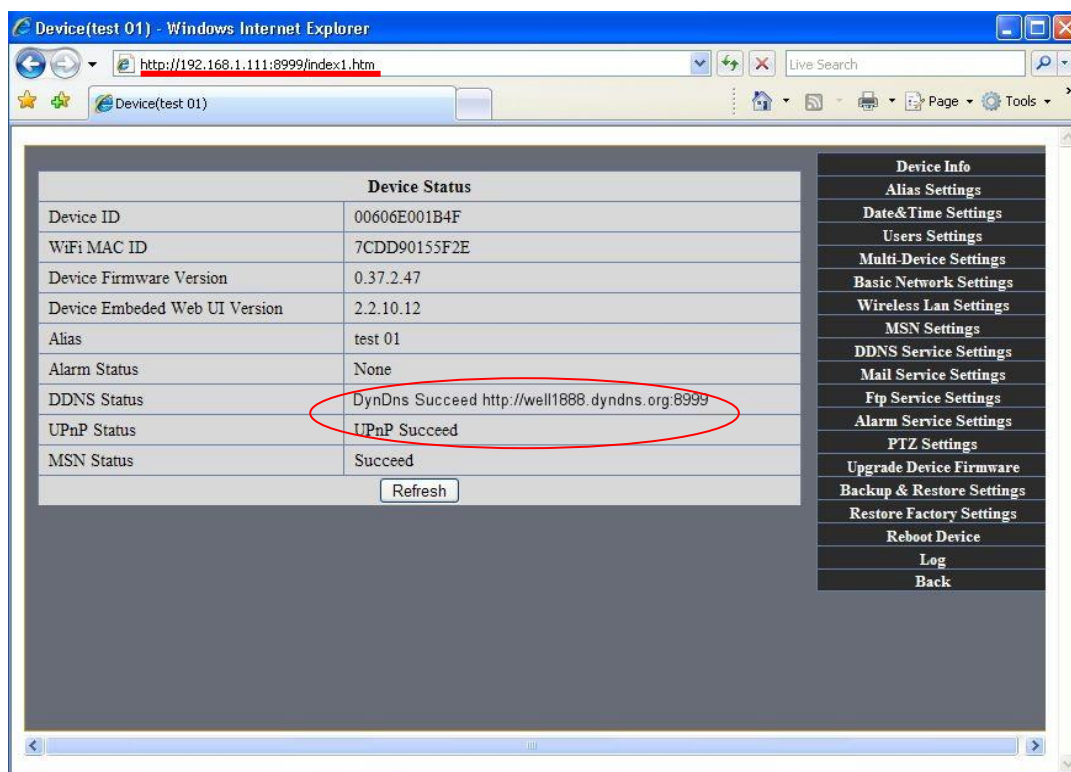
mode: Mode, 0:50 hz; For 60 hz; 2: outdoor

flip: Flip: rotation, 0: primitive; 1: vertical reverses; 2: horizontal; 3: vertical flip + horizontal

8.2.1 The flow media player VLC player and mplayer can real-time broadcast ipcamera and send of streaming media format video data.

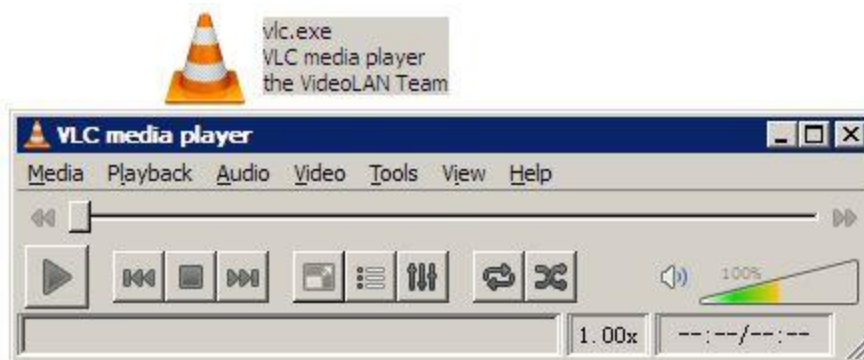
(Grammar parameters: /videostream.asf?user=&pwd=&resolution=&rate=)

As shown Picture 113 "Ipcam"



Picture 114

From the following picture, we can view that "Ipcam" local IP address is: <http://192.168.1.111:8999>.
WAN IP Address is : <http://well888.dyndns.org:8999>, we can input "Ipcam"'S IP address to open in the player.



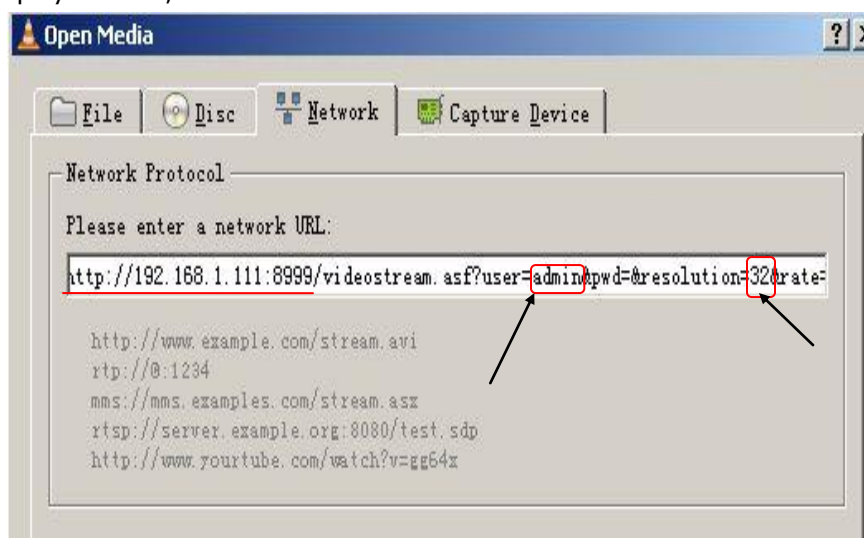
Picture 115

the "CLC media player" open play position:



Picture 116

LAN play address;

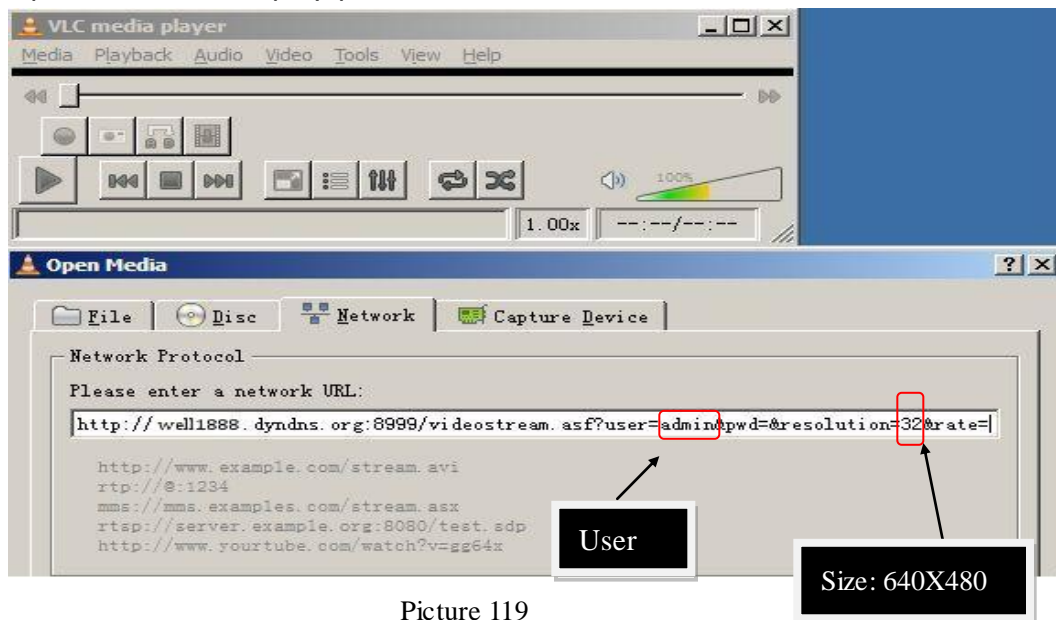


Picture 117



Picture 118

Open the Internet play position:



Picture 119

As shown in the following picture, It can see the ipcamera send video streaming format



Picture 120

8.3 Frequently Asked Questions

Note: 1) Any question you would meet, please check Network connections firstly.

2) Check the working status revealed by the indicators on the network server, hub, exchange and network card. If abnormal, check the network connections.

8.3.1 I have forgotten the administrator username and/or password.

To reset the administrator username and password, Press and hold down the RESET BUTTON for 5 seconds. Release the power button and the username and password will be reset back to the factory default administrator username and password.

Default administrator username: admin

Default administrator password: No password

8.3.2 IP Address configuration

Check whether IP address of the IP Camera server shares the same subnet as your work station: Click My Computer > Control Panel > Network & Dial-up Connections > LAN > Attributes > Internet Protocols (TCP/IP), and check IP Address and Subnet Mask. Make sure they are in the same subnet when configuring IP Camera IP address manually. Unable to access IP Camera via web browser

8.3.3 Network Configuration

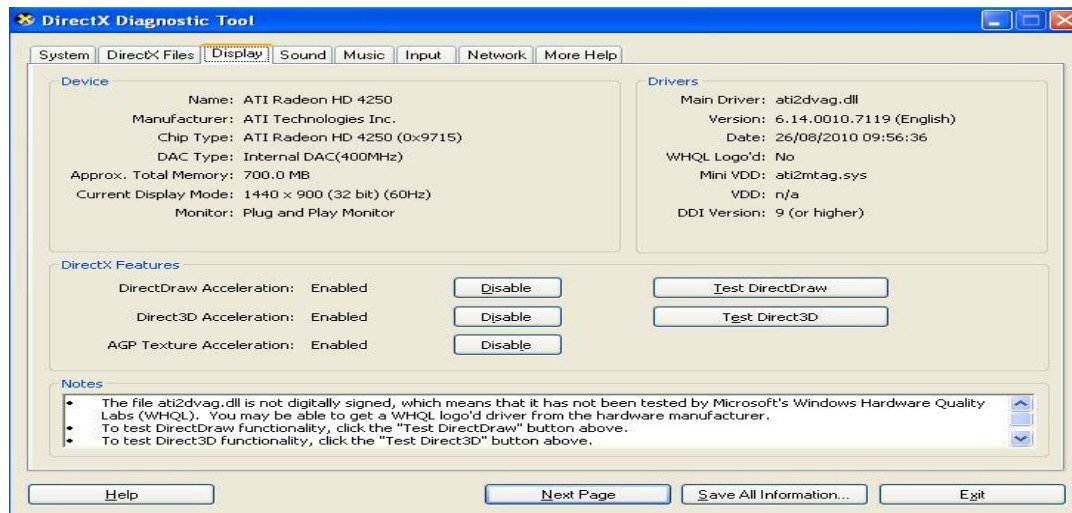
Double Check to ensure that your HTTP server software is configured and running properly. If you are running any firewall software, make sure it is allowing inbound connections to port 80. Also, if you happen to be using a cable/DSL router, make sure

you are set up port forwarding properly. (consult your router is documentation for more information) .If none of these seem to be the problem, it is also possible that your ISP is blocking inbound connections to port 80 –many IPSs have done this because of internet worms such as Code Red, If this is the case, you „ll have to setup your HTTP server on an alternate port (such as 8080).

8.3.4 No Monitoring picture

It has four reasons Images of the abnormal factors:

1.If its not use Directx function and lead to not normal to display the color image.Please install DirectX and open the start menu then input the command.



Picture 121

You use the DirectX function and it will expedite the DirectDraw, Direct3D and AGP, if its can not ,maybe the connect issues or hardware not read it.

2.The issues of hardware, can't support the card ,expedite image.

3.The antivirus software will influence the network, it will be stoped or closed.If you install fireproof software please close it and try again.

4. ActiveX controller is not installed correctly

If its not image on the first time to use, and will display to the user through the ActiveX.If its can not display of the image, maybe it fail of install, about this issues, please follow as:

1.Install "IP Camera Tool", ActiveX control at the same time.

2.Please install ActiveX control and keep the security settings for IE browser .

8.3.5 Problems with network bandwidth

The image frame rate is subjected to the following factors: 1.network bandwidth; 2. PC performance, network environment and display preference setting (brightness, theme, etc.); 3. the number of visitors (Too many visitors will slow down the image frame rate.); 4. choice of switch or hub (Use a switch for multiple IP Camera Servers rather than a HUB.).

The Device use MJEP Compression, it needs good network bandwidth, If it is too narrow, it will lead to slowly browser. Typical video parameter occupy network bandwidth as blows:

640x480@30fps : 4.0 Megabits ~ 5.0 Megabits

320x240@30fps : 1.2 Megabits ~ 1.6 Megabits

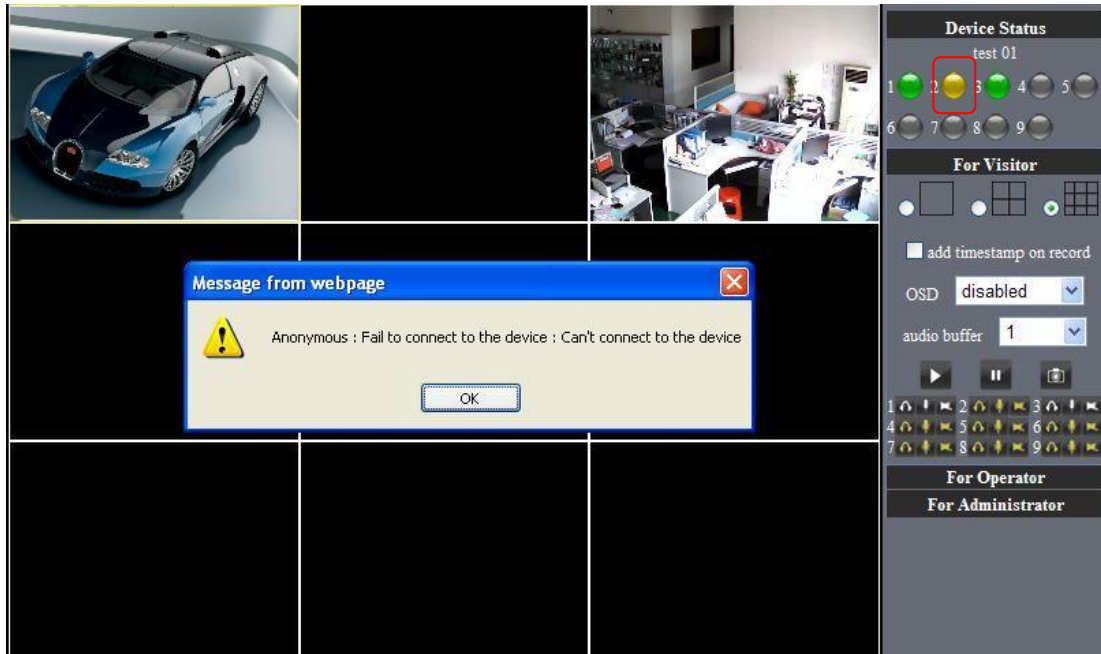
• 8.3.6 Why pop-up the prompt “Fail to connect to the device...”?

This prompt only appeared in the case of using multiple cameras.

Enter the Multi-Device Settings page(login as administrator) to check the Device setting is correct or not.

When one of the multiple cameras disconnected, the color changed to

yellow and pop-up the prompt“Fail to connect to the device...”.



Picture 122

8.3.7 Can't access the IPCAM in the internet?

There are some reasons:

1. ActiveX controller is not installed correctly(see more details :5.1.4).
2. The port IPCAM used is blocked by Firewall or Anti-virus software. Please change a port number and try again.
3. Port mapping is not success. You can do port mapping by two ways:

.Enter setting page of the router which IPCAM connect with to enable UPnP function.

Enter IPCAM “UPnP Settings” to enable UPnP and make sure the state is “UPnP success”.

. If your router has the Virtual Map function. Enter router setting page, add IPCAM” s IP and port to the Virtual map list.

When use ADSL, the IP is dynamic. You should set DDNS(see more details 7.4 & 8.0) and also make sure port mapping success.

8.4 Operate common problem solving

IP camera tool can't find the camera?

Except of the camera broken

1. Make sure the cable connector no problem, recommend connector (AMP),it is with international standard. Another note, IPCAM's data transmission channel require higher than computer's, so maybe the

computer can run normally but IPCAM can't, Please press heavily when making the cable connector.

2. Confirm the power supply normally. First, check whether power indication light turn on or not, If it is on, then check the yellow light on RJ45 Port (power indication light) and green light (network indication light) are on or not. If they are on, so power supply and cable runs normally.
3. Confirm all the firewall and antivirus software are close. The firewall often block unrecognized data so if the firewall is running, so maybe the IPCAM TOOL can't find the device. Suggest to close firewall and antivirus software temporarily before searching.

How to solve the camera blank screen?

1. Check if you are using the wrong power adaptor, please use original one.
2. Close antivirus software.

How to solve the camera can't login by Internet?

1. Check if you set DDNS success or not?
2. Check the current IPCAM's port number is the same as router's? They need to keep same.

Can't view the monitoring picture

1. Reason: can't connect with network

Solution: Check if the network connect well, exclude cable fault and PC virus cause network fault until can be used between PC and PING.

2. Reason: IP address occupy by other device

Solution: Choose automatic gain

3. Reason: IP address located within different subnet

Solution: Check IPCAM'S ip address and subnet mask address and gateway settings.

4. Reason: Web port has been modified

Solution: contact network administrator to obtain port information.

5. Reason: unknown

Solution: Press reset button to factory default state, then reconnecting system default to gain ip address automatic, subnet mask is 255.255.255.0

8.5 Default Parameters

• Default network Parameters

IP address: dynamic obtain

Subnet mask: 255.255.255.0

Gateway: dynamic obtain

DDNS: Factory provide

• Username and password

Default administrator username: **admin**

Default administrator password : **No password**

8.6 Technical Parameters

ITEM		IP CAM (NIP-02BGPWA2)
Image Sensor	Image sensor	1/5" Color CMOS Sensor
	Display	640 x 480 (300K Pixels)
	Lens	f:3.6mm, F:2.4 (IR Lens)
	Mini.illumination	0.5 Lux
Lens	Lens Type	Glass Lens
	Viewing Angle	60 Degree
Audio	Microphone	Audio of two way
Domain name	Server	MSN server/ DDNS server
Video	Image Compression	MJPEG
	Image Frame Rate	15 FPS (VGA), 30FPS (QVGA)
	Resolution	640 x 480 (VGA), 320 x 240 (QVGA)
	Flip Mirror Images	rtical / Horizontal
	mode	50Hz, 60Hz or Outdoor
	Video Parameters	Brightness, Contrast
Communication	Ethernet	One 10/100Mbps RJ-45
	Supported Protocol	HTTP/DHCP/IP/TCP/UDP/FTP/SMTP/DDNS/PPPoE/UPnP
	Mobilephone monitor	Support Iphone/Ipad/3G phone/smartphone
	Wireless Standard	IEEE 802.11b/g
	Wireless Standard	802.11b:11Mbps(max.) 802.11g:54Mbps(max.)
	Wireless Security	64/128-bit WEP Encryption
Physical	Pan/Tilt Angle	Horizontal:270° & Vertical: 120°
	Infrared Light	10 IR LEDs, Night visibility up to 15 Mete
	Product size	100(L) x100(W) x125mm(H)
	Gross Weight	646.5g/pcs (packing size:196x165x123mm)
	Net Weight	254.7g/pcs (only product)
Power	Specification	DC 5V/2.5A 1.8 meter
	Power Consumption	5 Watts
Environment	Operate Temper	0° ~ 55° C (14° F~122° F)
	Operating Humidity	20% ~ 85% non-condensing
	Storage Temper	-10° C ~ 60° (14° F ~140° F)
	Storage Humidity	0% ~ 90% non-condensing
PC Requirements	CPU	2.0GHZ or above (suggested 3.0GHZ)
	Memory Size	512MB or above (suggested 1.0GB)
	Display card	64M or above
	Supported OS	Microsoft Windows XP/Vista/Windows7
	Supported browsers	IE, firefox, Google
Certification	CE, FCC, RoHS	
Warranty	Limited 1-year warranty	